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ABSTRACT

This is the second bibliography in the Special Bibliography Series developed by the ERIC Information Analysis Center for Science and Mathematics Education. It is a compilation of documents appearing in "Research in Education," 1969, which relate to science and mathematics education. The bibliography is divided into four sections--(1) science education documents, (2) mathematics education documents, (3) author index, and (4) title index of documents with no specified author, Cited are 136 science education documents and 90 mathematics education documents. Citations include author, source, availability, prices, and major ideas of the document. (RR)

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DOCUMENTS ON SCIENCE AND MATHEMATICS EDUCATION IN RESEARCH IN EDUCATION, 1969

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SCIENCE AND MATHEMATICS EDUCATION INFORMATION REPORT

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ERIC Information Analysis Center for Science
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August, 1970

SCIENCE AND MATHEMATICS EDUCATION INFORMATION REPORTS

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The Science and Mathematics Education Information Reports will be announced in the SMAC Newsletter as they become available.

SAMPLE OF BIBLIOGRAPHIC CITATION

(1) ED 021 739
(2) BALABANIAN, NORMAN; ROOT, AUGUSTIN A.
(3) CAPACITORS AND RESISTANCE CAPACITANCE NETWORKS.
(4) SYRACUSE UNIV., NEW YORK DEPT. OF ELECTRICAL ENGINEERING
(5) OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF RESEARCH
(6) REPORT NUMBER 5
(7) BUREAU NUMBER BR-5-0796
(8) PUB DATE 04 00 64
(9) CONTRACT OEC-4-10-102
(10) EDRS PRICE MF-$0.75 HC-$6.56 (11) 162P.
(12) DESCRIPTORS-- *COLLEGE SCIENCE, ELECTRICITY, *ELECTRONICS, *ENGINEERING EDUCATION, *INSTRUCTIONAL MATERIALS, PHYSICAL SCIENCES, *PROGRAMED INSTRUCTION, UNDERGRADUATE STUDY.

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(1) ED 021 739

This is the Research in Education (RIE) identification number of the document. It serves as the name for the document and should be used when ordering the material from ERIC Document Reproduction Service (EDRS)

(2) BALABANIAN, NORMAN; ROOT, AUGUSTIN A.

The principal author, editor, or organization associated with the writing of the document is listed.

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Title of document.

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(6) REPORT NUMBER 5

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(7) BUREAU NUMBER BR-5-0796

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(8) PUB DATE 04 00 64

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(11) 162P.

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Descriptors provide an indication of the ideas included in the document. Each term, such as *ELECTRONICS, has been selected by an information analyst because the term is important for the identification of the document. Terms marked with an asterisk represent primary ideas in the document; the other terms represent ideas of lesser importance. You can use this information to narrow the number of documents you want to review.

PREFACE

Information analysts at SMAC reviewed Research in Education, 1969, to identify documents related to science and mathematics education. The bibliography is divided into four sections -- (1) documents related to science education, (2) documents related to mathematics education, (3) an author index, and (4) a title index of articles with no specified authors.

Each entry provides citation data and descriptive terms for the document. Prices listed are current EDRS prices. When ordering documents, be certain to include the ED accession number of each document and indicate whether you desire microfiche (MF) or hardcopy (HC). A 50¢ handling charge should be included for all orders. Requests for documents should be addressed to ERIC Document Reproduction Service, the National Cash Register Company, 4936 Fairmont Avenue, Bethesda, Maryland 20014.

Also the document résumé may be located by its ED number in RIE.

Cassandra Balthaser
Editor

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OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
BUREAU OF ELEMENTARY AND SECONDARY EDUCATION
EDRS PRICE MF-$0.50 HC-$5.70 112P.
DESCRIPTORS-- *ASTRONOMY, *EARTH SCIENCE, EDUCATIONAL PROGRAMS, ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, PHYSICAL SCIENCES, *PLANETARIUMS, *PROGRAM DESCRIPTIONS, *SCIENCE ACTIVITIES, SECONDARY SCHOOL SCIENCE, TEACHING GUIDES.

2. ED 022 672
ALDEN, JOHN D.
CRITICAL INTERFACES FOR ENGINEERS AND SCIENTISTS, 4 APPRAISALS. PROCEEDINGS OF THE ANNUAL JOINT MEETING OF THE ENGINEERING MANPOWER COMMISSION OF ENGINEERS JOINT COUNCIL AND THE SCIENTIFIC MANPOWER COMMISSION, (NEW YORK, 1967).
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PUB DATE JUL 67
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DESCRIPTORS--ADULT EDUCATION, *COLLEGE SCIENCE, *ENGINEERING EDUCATION, ENGINEERS, INDUSTRY, *SCIENCE EDUCATION, SCIENTISTS, *SOCIOECONOMIC INFLUENCES, SPEECHES, TECHNOLOGY.

3. ED 022 664
ALDEN, JOHN
PROFESSIONAL INCOME OF ENGINEERS 1966-1967.
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PUB DATE JUN 67
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4. ED 024 603
AMBRY, EDWARD J.
NATIONAL LISTING OF ENVIRONMENTAL & OUTDOOR EDUCATION PROJECTS.
PROJECTS TO ADVANCE CREATIVITY IN EDUCATION, TITLE III, ELEMENTARY & SECONDARY EDUCATION ACT OF 1965.
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PUB DATE 68
EDRS PRICE MF-$0.50 HC-$3.95 77P.
DESCRIPTORS-- *EDUCATIONAL PROGRAMS, *ELEMENTARY SCHOOL SCIENCE, *OUTDOOR EDUCATION, PROGRAM DESCRIPTIONS, SCIENCE ACTIVITIES, *SECONDARY SCHOOL SCIENCE.

5. ED 022 709
ANKER, IRVING; LLOYD, HELENE M.
SCIENCE, EIGHTH YEAR - RESOURCE MATERIAL FOR TEACHERS. CAREER GUIDANCE SERIES 1967-68.
NEW YORK CITY BOARD OF EDUCATION, BROOKLYN, NEW YORK
PUB DATE 67
EDRS PRICE MF-$1.75 HC NOT AVAILABLE FROM EDRS. 403P.
DESCRIPTORS--BIOLOGY, CHEMISTRY, *CURRICULUM DEVELOPMENT, EARTH SCIENCE, GRADE 8, *INSTRUCTIONAL MATERIALS, PHYSICS, SCIENCE ACTIVITIES, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES.

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REPORT NUMBER 5
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DESCRIPTORS-- *COLLEGE SCIENCE, ELECTRICITY, *ELECTRONICS, *ENGINEERING EDUCATION, *INSTRUCTIONAL MATERIALS, PHYSICAL SCIENCES, *PROGRAMED INSTRUCTION, UNDERGRAUDATE STUDY.

7. ED 021 740
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DIODE AND DIODE CIRCUITS. A PROGRAMMED TEXT.
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DESCRIPTORS-- *COLLEGE SCIENCE, ELECTRICITY, *ELECTRONICS, *ENGINEERING EDUCATION, *INSTRUCTIONAL MATERIALS, PHYSICAL SCIENCES, *PROGRAMED INSTRUCTION, TEXTBOOKS, UNDERGRAUDATE STUDY

8. ED 021 742
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9. ED 021 741
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DESCRIPTORS-- *COLLEGE SCIENCE, ELECTRICITY, *ELECTRONICS, *ENGINEERING EDUCATION, *INSTRUCTIONAL MATERIALS, PHYSICAL SCIENCES, *PROGRAMED INSTRUCTION, TEXTBOOKS, UNDERGRADUATE STUDY.

10. ED 026 268
BARISCH, SYLVIA
DIRECTORY OF PHYSICS & ASTRONOMY FACULTIES 1968-1969, UNITED STATES, CANADA, MEXICO.
AMERICAN INST. OF PHYSICS, N.Y., N.Y.
REPORT NUMBER R-135.7
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EDRS PRICE MF-$1.00 HC-$10.75 213P.
DESCRIPTORS-- *ASTRONOMY, COLLEGE FACULTY, *COLLEGE SCIENCE, CURRICULUM, DIRECTORIES, EDUCATIONAL PROGRAMS, GRADUATE STUDY, *PHYSICS, *PHYSICS TEACHERS, UNDERGRADUATE STUDY.

11. ED 025 444
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ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE EDUCATION, COLUMBUS, OHIO
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EDRS PRICE MF-$0.25 HC-$0.65 11P.
DESCRIPTORS-- *COLLEGE SCIENCE, EDUCATIONAL RESEARCH, *RESEARCH REVIEWS (PUBLICATIONS), *SCIENCE EDUCATION, *SCIENCE TEACHERS, *SECONDARY SCHOOL TEACHERS, TEACHER BEHAVIOR, TEACHER CERTIFICATION, TEACHER CHARACTERISTICS, *TEACHER EDUCATION.

12. ED 024 592
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CONCEPTUAL SCHEMES IN SCIENCE: A BASIS FOR CURRICULUM DEVELOPMENT.
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BUREAU NUMBER BR-6-1745
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CONTRACT OEC-2-6-061745-1623
EDRS PRICE MF-$0.75 HC-$6.60 130P.

DESCRIPTORS--CHEMISTRY, COGNITIVE PROCESSES, *CONCEPTUAL SCHEMES, *CURRICULUM DESIGN, *CURRICULUM DEVELOPMENT, EARTH SCIENCE, *ELEMENTARY SCHOOL SCIENCE, PHYSICS, *SECONDARY SCHOOL SCIENCE.

13. ED 023 605
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BATTELLE MEMORIAL INST., COLUMBUS, OHIO. COLUMBUS LABS.
PUB DATE AUG 68
EDRS PRICE MF-$0.25 HC-$2.60 50P.
DESCRIPTORS--ANNOTATED BIBLIOGRAPHIES, *BIBLIOGRAPHIES, CONFERENCE REPORTS, ENGINEERING, FEDERAL AID, FEDERAL GOVERNMENT, FINANCIAL SUPPORT, FOREIGN COUNTRIES, HIGHER EDUCATION, INDUSTRY, *RESEARCH, *SCIENCES, SCIENTIFIC MANPOWER, SOCIAL SCIENCES, SOCIOECONOMIC INFLUENCES, *TECHNOLOGY.

14. ED 024 612
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PUB DATE OCT 68
EDRS PRICE MF-$0.50 HC-$3.55 69P.
DESCRIPTORS-- *ANNOTATED BIBLIOGRAPHIES, BIBLIOGRAPHIES, CONFERENCE REPORTS, *ENGINEERING, FEDERAL LEGISLATION, FINANCIAL SUPPORT, GOVERNMENT ROLE, HIGHER EDUCATION, INTERNATIONAL PROGRAMS, NATURAL RESOURCES, *SCIENCES, *SCIENTIFIC RESEARCH, SOCIOECONOMIC INFLUENCES, *TECHNOLOGY.

15. ED 021 579
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REPORT NUMBER PUB-2
PUB DATE JUN 68
EDRS PRICE MF-$0.25 HC-$2.32 56P.
DESCRIPTORS-- *LIBRARY COLLECTIONS, LIBRARY SURVEYS, *SCIENCES, *TECHNOLOGY.

16. ED 025 438
BUTLER, JOHN E.
A COMPILATION OF PAPERS RELATED TO SCIENCE TEACHING AT THE COLLEGE LEVEL.
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PUB DATE OCT 68
EDRS PRICE MF-$0.25 HC-$1.50 28P.
DESCRIPTORS-- *COLLEGE SCIENCE, COMPUTER ORIENTED PROGRAMS, EDUCATIONAL TELEVISION, *INSTRUCTION, *SCIENCE EDUCATION, SCIENTIFIC LITERACY, UNDERGRADUATE STUDY.

17. ED 021 805
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REPORT NUMBER SIP-RR-1
BUREAU NUMBER BR-5-0249
PUB DATE 67
CONTRACT OEC-6-10-108
EDRS PRICE MF-$0.25 HC-$0.88 20P.
DESCRIPTORS-- *CHANGING ATTITUDES, CURRICULUM PROBLEMS, EFFECTIVE TEACHING, *ELEMENTARY SCHOOL TEACHERS, *INSERVICE TEACHER EDUCATION, *SCIENCE CURRICULUM.

18. ED 024 615
CALDWELL, HARRIE E.
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BUREAU NUMBER BR-6-8760
PUB DATE SEP 67
CONTRACT OEC-1-7-068760-0344
EDRS PRICE MF-$0.50 HC-$3.30 64P.
DESCRIPTORS--CLASSROOM PARTICIPATION, CLASSROOM TECHNIQUES, COURSE CONTENT, *COURSE EVALUATION, ELEMENTARY SCHOOL SCIENCE, EVALUATION CRITERIA, *INSERVICE TEACHER EDUCATION, MEASUREMENT INSTRUMENTS, *METHODS COURSES, *OBSERVATION, RESEARCH METHODOLOGY.

19. ED 021 775
CHAFFEE, EVERETT
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REPORT NUMBER PUB-SC-638
PUB DATE 67
EDRS PRICE MF-$0.25 HC-$1.96 47P.
DESCRIPTORS--ASTRONOMY, ELECTRICITY, *PHYSICAL SCIENCES, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES.

20. ED 025 439
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AN EXPLORATORY PROJECT ON TRAINING ELEMENTARY TEACHERS IN MATHEMATICS AND SCIENCE.
KANSAS STATE TEACHERS COLLEGE, EMPORIA; SAN JOSE STATE COLL., CALIF.
PUB DATE SEP 68
GRANT NSF-GW-3402
EDRS PRICE MF-$0.75 HC-$6.60 130P.
DESCRIPTORS--CONFERENCE REPORTS, *CURRICULUM DEVELOPMENT, EDUCATIONAL OBJECTIVES, ELEMENTARY SCHOOL MATHEMATICS, *ELEMENTARY SCHOOL SCIENCE, INSERVICE TEACHER EDUCATION, *TEACHER EDUCATION.

21. ED 023 598
DASBACH, JOSEPH M.
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AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, WASHINGTON, D.C.
REPORT NUMBER AAAS-MISC-PUB-68-3
PUB DATE MAR 68
EDRS PRICE MF-$0.25 HC-$0.90 16P.
DESCRIPTORS-- *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *PROGRAM EVALUATION, SCIENCE COURSE IMPROVEMENT PROJECT, *SCIENCE EQUIPMENT, SCIENCE MATERIALS, *SECONDARY SCHOOL SCIENCE.

22. ED 021 724
DAY, MYRTLE V.
A TEACHER'S HANDBOOK OF RESOURCES FOR THE TEACHING OF HEALTH IN THE SECONDARY SCHOOLS.
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EDRS PRICE MF-$0.50 HC-$3.92 96P.
DESCRIPTORS--ACCIDENT PREVENTION, AUDIOVISUAL AIDS, COCURRICULAR ACTIVITIES, DENTAL HEALTH, FILMS, FIRST AID, HEALTH ACTIVITIES, *HEALTH EDUCATION, HEALTH OCCUPATIONS, MENTAL HEALTH, NUTRITION, RESOURCE MATERIALS, *RESOURCE UNITS, SAFETY, *SCIENCE UNITS, SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES.

23. ED 026 276
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MODEL SPACECRAFT CONSTRUCTION, UNITS FOR SECONDARY SCHOOL INDUSTRIAL ARTS.
CALIFORNIA STATE COLL., LONG BEACH
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PUB DATE 66
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DESCRIPTORS--AEROSPACE TECHNOLOGY, *EARTH SCIENCE, *INDUSTRIAL ARTS, INSTRUCTIONAL MATERIALS, LABORATORY MANUALS, MODELS, *SCIENCE ACTIVITIES, *SECONDARY SCHOOL SCIENCE.

24. ED 024 614
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A SURVEY OF THE TEACHING PRACTICES AND MATERIALS USED IN INTRODUCTORY COLLEGE CHEMISTRY. FINAL REPORT.
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OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF RESEARCH
BUREAU NUMBER BR-7-G-018
PUB DATE AUG 68
GRANT OEG-1-7-070018-4559
EDRS PRICE MF-$1.25 HC-$16.65 331P.
DESCRIPTORS-- *CHEMISTRY, *COLLEGE SCIENCE, COURSE OBJECTIVES, *CURRICULUM, *INSTRUCTION, *INSTRUCTIONAL MATERIALS, SCIENCE FACILITIES, TEACHING METHODS, UNDERGRADUATE STUDY.

25. ED 024 576
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THE SEATTLE CONFERENCE: THE ROLE OF THE STATE DEPARTMENT OF EDUCATION IN TEACHER EDUCATION (APRIL 27-29, 1966).
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.; WASHINGTON STATE BOARD OF EDUCATION, OLYMPIA
PUB DATE 67
EDRS PRICE MF-$0.50 HC-$4.50 88P.
DESCRIPTORS--ACCREDITATION (INSTITUTION), BEGINNING TEACHERS, CERTIFICATION, EDUCATION LEGISLATION, FEDERAL AID, FEDERAL PROGRAM, *FEDERAL STATE RELATIONSHIP, *GOVERNMENT ROLE, INSERVICE TEACHER EDUCATION, STATE AGENCIES, *STATE DEPARTMENTS OF EDUCATION, STATE FEDERAL SUPPORT, STATE LEGISLATION, STATE LICENSING BOARDS, *STATE PROGRAMS, STATE SCHOOL DISTRICT RELATIONSHIP, STATE STANDARDS, STATE SUPERVISORS, STUDENT TEACHING, *TEACHER EDUCATION, TEACHER ORIENTATION.

27. ED 022 353
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EDRS PRICE MF-$0.75 HC-$5.80 143P.
DESCRIPTORS-- *EDUCATIONAL SPECIFICATIONS, EQUIPMENT STORAGE, FLEXIBLE FACILITIES, OBJECTIVES, *SCHOOL DESIGN, SCHOOL SIZE, *SCHOOL SPACE, SCIENCE ACTIVITIES.

28. ED 026 273
FEIRER, JOHN L.
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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, WASHINGTON, D.C.
RPORT NUMBER EP-44
PUB DATE APR 67
EDRS PRICE MF-$0.75 HC-$8.80 174P.
DESCRIPTORS-- *AEROSPACE TECHNOLOGY, BIBLIOGRAPHIES, EARTH SCIENCE, FILMS, *INDUSTRIAL ARTS, INSTRUCTIONAL MATERIALS, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES.

29. ED 026 068
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AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, WASHINGTON, D.C.
REPORT NUMBER AAAS-MISC-PUB-68-14
PUB DATE NOV 68
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DESCRIPTORS-- *JUNIOR COLLEGES, *SCIENCE EDUCATION, *SUBPROFESSIONALS, *TECHNICAL EDUCATION.

30. ED 022 689
FOOKS, JOYCE LANE
THE COLLEGE COMMISSIONS-AGRICULTURE, BIOLOGY, CHEMISTRY, ENGINEERING, GEOGRAPHY, GEOLOGY, MATHEMATICS, PHYSICS.
COMMISSION ON UNDERGRADUATE EDUCATION IN BIOLOGICAL SCIENCE
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EDRS PRICE MF-$0.25 HC-$0.72 16P.
DESCRIPTORS--AGRICULTURE, BIOLOGICAL SCIENCES, *COLLEGE SCIENCE, *CURRICULUM DEVELOPMENT, ENGINEERING, GEOGRAPHY, GEOLOGY, MATHEMATICS, NEWSLETTERS, PHYSICAL SCIENCES.

31. ED 023 610
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PUB DATE 66
EDRS PRICE MF-$1.00 HC-$13.45 67P.
DESCRIPTORS--COURSE DESCRIPTIONS, *CURRICULUM, EVALUATION, GENERAL SCIENCE, GRADE 11, GRADE 12, INSTRUCTION, INSTRUCTIONAL MATERIALS, *LOW ABILITY STUDENTS, OBJECTIVES, SCIENCE ACTIVITIES, SCIENCE EQUIPMENT, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES.

32. ED 023 607
FREDRICKSON, CLIFFORD T.
HANDBOOK OF SCIENCE LABORATORY PRACTICES AND SAFETY. REVISED.
SAN DIEGO CITY SCHOOLS, CALIF.
PUB DATE 66
EDRS PRICE MF-$0.50 HC-$4.80 94P.
DESCRIPTORS--BIOLOGY, *ELEMENTARY SCHOOL SCIENCE, FIRST AID, GENERAL SCIENCE, INSTRUCTIONAL MATERIALS, LABORATORY PROCEDURES, *LABORATORY SAFETY, PHYSICAL SCIENCES, *SAFETY, SCIENCE EQUIPMENT, *SECONDARY SCHOOL SCIENCE, STATE LAWS, *TEACHING GUIDES.

33. ED 023 206
GALLAGHER, JAMES J.
TEACHER VARIATION IN CONCEPT PRESENTATION IN BSCS [BIOLOGICAL SCIENCES CURRICULUM STUDY] CURRICULUM PROGRAM.
ILLINOIS UNIV., URBANA INST. OF RESEARCH FOR EXCEPTIONAL CHILDREN
BIOLOGICAL SCIENCES CURRICULUM STUDY, BOULDER, COLO.; OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF RESEARCH
BUREAU NUMBER BR-5-0585
PUB DATE [66]
CONTRACT OEC-6-10-196
EDRS PRICE MF-$0.25 HC-$2.25 43P.
DESCRIPTORS--BIOLOGICAL SCIENCES, BIOLOGY INSTRUCTION, CONCEPT TEACHING *CURRICULUM, *EXCEPTIONAL CHILD RESEARCH, *GIFTED, HIGH ACHIEVERS, INTERACTION, INTERACTION PROCESS ANALYSIS, PROGRAM CONTENT, *SCIENCES, SCIENTIFIC CONCEPTS, TEACHERS, *TEACHING METHODS, TEACHING PROGRAMS, TEACHING STYLES.

34. ED 023 608
GAY, PHILIP D.
A GUIDE FOR TEACHING GENERAL SCIENCE 1-2 (8TH).
SAN DIEGO CITY SCHOOLS, CALIF.
PUB DATE 67
EDRS PRICE MF-$1.00 HC-$13.15 261P.
DESCRIPTORS--COURSE DESCRIPTIONS, *CURRICULUM, *GENERAL SCIENCE, GRADE 8, INSTRUCTION, INSTRUCTIONAL MATERIALS, OBJECTIVES, SCIENCE EQUIPMENT, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES.

35. ED 026 264
GUERINGER, JUNE
[TEACHER'S GUIDES FOR GRADE 7-BIOSPHERE AND GRADE 8-GEOSCOPE.]
EDGEWOOD INDEPENDENT SCHOOL DISTRICT, SAN ANTONIO, TEX.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF ELEMENTARY AND SECONDARY EDUCATION
PUB DATE 68
EDRS PRICE MF-$0.50 HC-$3.80 74P.
DESCRIPTORS-- *BIOLOGY, *EARTH SCIENCE, GRADE 7, GRADE 8, *INSTRUCTIONAL TELEVISION, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES.

36. ED 022 686
GUIDRY, NELSON P.; FRYE, KENNETH B.
GRAPHIC COMMUNICATION IN SCIENCE- A GUIDE TO FORMAT, TECHNIQUES, AND TOOLS.
NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D.C.
PUB DATE 68
EDRS PRICE MF-$0.25 HC NOT AVAILABLE FROM EDRS. 48P.

DESCRIPTORS--BIBLIOGRAPHIES, *COMMUNICATION SKILLS, *ENGINEERING GRAPHICS, GRAPHIC ARTS, *INSTRUCTIONAL MATERIALS, SECONDARY SCHOOL SCIENCE, *TECHNICAL WRITING.

37. ED 024 378
HANSEN, JOHN S.
[TEACHING LOADS IN STATE CENTER JUNIOR COLLEGE DISTRICT.]
STATE CENTER JUNIOR COLL. DISTRICT, FRESNO, CALIF.
PUB DATE JUN 68
EDRS PRICE MF-$0.25 HC-$0.25 3P.
DESCRIPTORS-- *JUNIOR COLLEGES, *PHYSICAL EDUCATION, QUESTIONNAIRES, *SCIENCE LABORATORIES, TEACHERS, *TEACHING LOAD.

38. ED 023 619
HAYES, ROBERT B.; AND OTHERS
THE EFFECTS OF STUDENT REACTIONS TO TEACHING METHODS.
PENNSYLVANIA STATE DEPT. OF PUBLIC INSTRUCTION, HARRISBURG. BUREAU OF RESEARCH ADMINISTRATION AND COORDINATION.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF RESEARCH.
BUREAU NUMBER BR-6-2056
PUB DATE SEP 67
GRANT OEG-1-7-062056-0302
EDRS PRICE MF-$0.50 HC-$5.45 107P.
DESCRIPTORS-- *ACADEMIC ACHIEVEMENT, EDUCATIONAL EXPERIMENTS, *EFFECTIVE TEACHING, *FEEDBACK, GRADE 6, INSERVICE TEACHER EDUCATION, INTERACTION PROCESS ANALYSIS, STATISTICAL ANALYSIS, *STUDENT ATTITUDES, *STUDENT REACTION, TEACHER ATTITUDES, TEACHER BEHAVIOR.

39. ED 024 571
HERSCHMAN, ARTHUR
INFORMATION RETRIEVAL IN PHYSICS.
AMERICAN INST. OF PHYSICS, NEW YORK, N.Y.
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
PUB DATE APR 67
GRANT NSF-GN-549
EDRS PRICE MF-$0.25 HC-$1.20 22P.
DESCRIPTORS-- *COLLEGE SCIENCE, *INFORMATION DISSEMINATION, *INFORMATION RETRIEVAL, *INFORMATION SCIENCE, *PHYSICS, SCIENTIFIC RESEARCH.

40. ED 025 412
HOLDEN, ALAN
THE NATURE OF ATOMS.
COMMISSION ON COLL. PHYSICS, COLLEGE PARK, MD.
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
PUB DATE 68
EDRS PRICE MF-$0.50 HC-$3.85 75P.
DESCRIPTORS-- *ATOMIC THEORY, *COLLEGE SCIENCE, CURRICULUM DEVELOPMENT, *INSTRUCTIONAL MATERIALS, MATTER, PHYSICAL SCIENCES, *PHYSICS, TEXTBOOKS, UNDERGRADUATE STUDY.

41. ED 021 745
HUBBELL, LAWRENCE
INVESTIGATING SCIENCE WITH CHILDREN, VOLUME 2, THE EARTH.
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, WASHINGTON, D.C.; NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D.C.
PUB DATE 64
EDRS PRICE MF-$0.50 HC NOT AVAILABLE FROM EDRS. 96P.
DESCRIPTORS-- *EARTH SCIENCE, *ELEMENTARY SCHOOL SCIENCE, GEOLOGY, *INSTRUCTIONAL MATERIALS, LABORATORY EXPERIMENTS, *SCIENCE ACTIVITIES, *TEACHING GUIDES.

42. ED 024 569
KEENAN, STELLA; BRICKWEDDE, F.G.
JOURNAL LITERATURE COVERED BY PHYSICS ABSTRACTS IN 1965.
AMERICAN INST. OF PHYSICS, NEW YORK, N.Y.
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
PUB DATE FEB 68
GRANT NSF-GN-549
EDRS PRICE MF-$0.50 HC-$6.35 125P.
DESCRIPTORS-- *ABSTRACTS, *COLLEGE SCIENCE, INFORMATION DISSEMINATION, *INFORMATION SCIENCE, *PHYSICS, *SCIENTIFIC RESEARCH.

43. ED 024 570
KEENAN, STELLA; TERRY EDWARD
RETRIEVAL OF THE 1964 LASER LITERATURE USING MIT'S PROJECT TIP.
AMERICAN INST. OF PHYSICS, NEW YORK, N.Y.
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
PUB DATE 68
GRANT NSF-GN-549
EDRS PRICE MF-$0.25 HC-$0.80 14P.
DESCRIPTORS--BIBLIOGRAPHIES, *COLLEGE SCIENCE, *INFORMATION DISSEMINATION, INFORMATION RETRIEVAL, *INFORMATION SCIENCE, *PHYSICS.

44. ED 026 239
KIRWIN, GERALD J.
INDUCTORS AND INDUCTANCE-RESISTANCE NETWORKS.
SYRACUSE UNIV., N.Y. DEPT. OF ELECTRICAL ENGINEERING
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF RESEARCH
PUB DATE 65
EDRS PRICE MF-$0.75 HC-$7.75 153P.
DESCRIPTORS-- *COLLEGE SCIENCE, *ELECTRICITY, *ENGINEERING, *INSTRUCTIONAL MATERIALS, PHYSICS, *PROGRAMED INSTRUCTION.

45. ED 024 605
LEE, ADDISON E., ED.
RESEARCH AND CURRICULUM DEVELOPMENT IN SCIENCE EDUCATION.
TEXAS UNIV., AUSTIN, SCIENCE EDUCATION CENTER
REPORT NUMBER 6720
PUB DATE 15 OCT 67
EDRS PRICE MF-$0.75 HC NOT AVAILABLE FROM EDRS. 145P.
DESCRIPTORS--ABLE STUDENTS, *BIOLOGY, *CURRICULUM DEVELOPMENT, INSTRUCTION, INSTRUCTIONAL MATERIALS, *RESEARCH REVIEWS (PUBLICATIONS), SCIENCE COURSE IMPROVEMENT PROJECT, *SECONDARY SCHOOL SCIENCE, TEACHER CHARACTERISTICS.

46. ED 021 743
LEPAGE, WILBUR R.
ELECTROMECHANICAL ENERGY CONVERSION.
SYRACUSE UNIV., N.Y. DEPT. OF ELECTRICAL ENGINEERING
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF RESEARCH
BUREAU NUMBER BR-5-0796
PUB DATE 66
CONTRACT OEC-4-10-102
EDRS PRICE MF-$0.75 HC-$5.92 146P.
DESCRIPTORS-- *COLLEGE SCIENCE, *ELECTRICITY, ELECTRIC MOTORS, *ENGINEERING EDUCATION, *INSTRUCTIONAL MATERIALS, PHYSICAL SCIENCES, *PROGRAMED INSTRUCTION, TEXTBOOKS, UNDERGRADUATE STUDY.

47. ED 026 241
LEPAGE, WILBUR R.
TRANSIENT RESPONSE OF A SECOND ORDER SYSTEM USING STATE VARIABLES.
SYRACUSE UNIV., N.Y. DEPT. OF ELECTRICAL ENGINEERING
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF RESEARCH
BUREAU NUMBER BR-5-0796
PUB DATE 65
CONTRACT OEC-4-10-102
EDRS PRICE MF-$0.75 HC-$6.50 128P.
DESCRIPTORS-- *COLLEGE SCIENCE, *ELECTRICITY, *ENGINEERING, *INSTRUCTIONAL MATERIALS, PHYSICS, *PROGRAMED INSTRUCTION.

48. ED 021 737
LEPAGE, WILBUR R.; BALABANIAN, NORMAN
INTRODUCTION TO ELECTRICAL SCIENCE.
SYRACUSE UNIV., N.Y. DEPT. OF ELECTRICAL ENGINEERING
BUREAU NUMBER BR-5-0796
PUB DATE 64
CONTRACT OEC-4-10-102
EDRS PRICE MF-$1.25 HC-$13.12 326P.
DESCRIPTORS-- *COLLEGE SCIENCE, ELECTRICITY, *ENGINEERING EDUCATION, *INSTRUCTIONAL MATERIALS, PHYSICAL SCIENCES, TEXTBOOKS, UNDERGRADUATE STUDY.

49. ED 021 751
LERNER, RITA G.
PROGRESS REPORT ON THE DEVELOPMENT OF A LASER/MASER VOCABULARY.
AMERICAN INST. OF PHYSICS, NEW YORK, N.Y.
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
REPORT NUMBER NSF-GN-549
PUB DATE MAR 68
EDRS PRICE MF-$0.25 HC-$0.56 12P.
DESCRIPTORS-- *COLLEGE SCIENCE, ELECTRONICS, *INFORMATION DISSEMINATION, *INFORMATION SCIENCE, *PHYSICS, SCIENTIFIC RESEARCH *THESAURI.

50. ED 023 604
LISTON, ROBERT H.
SENIOR HIGH SCHOOL SCIENCE CURRICULUM GUIDELINES.
DUVAL COUNTY BOARD OF PUBLIC INSTRUCTION, JACKSONVILLE, FLA.
PUB DATE 66
EDRS PRICE MF-$0.75 HC-$9.75 193P.
DESCRIPTORS--BIOLOGY, CHEMISTRY, *COURSE DESCRIPTIONS, COURSE OBJECTIVES, COURSE ORGANIZATION, *CURRICULUM DEVELOPMENT, *CURRICULUM GUIDES, GRADE 10, GRADE 11, GRADE 12, INSTRUCTION, PHYSICS, *SECONDARY SCHOOL SCIENCE, TEACHING GUIDES.

51. ED 025 440
LOCKARD, J. DAVID
COMPUTERS IN UNDERGRADUATE EDUCATION: MATHEMATICS, PHYSICS, STATISTICS, AND CHEMISTRY.
MARYLAND UNIV., COLLEGE PARK. SCIENCE TEACHING CENTER
PUB DATE DEC 67
EDRS PRICE MF-$0.50 HC-$4.20 82P.
DESCRIPTORS--AUDIOVISUAL AIDS, AUTOINSTRUCTIONAL PROGRAMS, CHEMISTRY, COLLEGE MATHEMATICS, *COLLEGE SCIENCE, *COMPUTER ASSISTED INSTRUCTION, *COMPUTER ORIENTED PROGRAMS, *COMPUTERS, CONFERENCE REPORTS, *INSTRUCTION, MATHEMATICS, PHYSICAL SCIENCES, PHYSICS, PROGRAMED INSTRUCTION, STATISTICS, UNDERGRADUATE STUDY.

52. ED 023 613
MACDOUGALL, MARY ANN
THE TEACHING OF UPPER ELEMENTARY SCHOOL SCIENCE USING PROGRAMED MATERIALS COUPLED WITH STUDENT PERFORMED EXPERIMENTS. FINAL REPORT.
VIRGINIA UNIV., CHARLOTTESVILLE
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF RESEARCH
BUREAU NUMBER BR-6-1319
PUB DATE AUG 68
GRANT OEG-2-6-061319-1277
EDRS PRICE MF-$0.50 HC-$4.55 89P.
DESCRIPTORS-- *ACHIEVEMENT, CURRICULUM, *ELEMENTARY SCHOOL SCIENCE, GRADE 4, GRADE 5, GRADE 6, *INDIVIDUALIZED INSTRUCTION, INSERVICE EDUCATION, INSTRUCTIONAL MATERIALS, *PROGRAMED INSTRUCTION, *TEACHER EDUCATION.

53. ED 021 723
MCCOMB, PATRICIA
A GUIDE FOR INSTRUCTION IN HEALTH AND SAFETY, GRADES 7-12, CURRICULUM BULLETIN NO. 24 SUPPLEMENT.
MINNESOTA STATE DEPT. OF EDUCATION, ST. PAUL
PUB DATE 65
EDRS PRICE MF-$0.75 HC-$6.32 156P.
DESCRIPTORS--AUDIOVISUAL AIDS, COCURRICULAR ACTIVITIES, *CURRICULUM GUIDES, CURRICULUM PLANNING, EDUCATIONAL OBJECTIVES, HEALTH ACTIVITIES, *HEALTH EDUCATION, INSTRUCTIONAL MATERIALS, MENTAL HEALTH, NARCOTICS, NUTRITION, *RESOURCE UNITS, SAFETY, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES, TOBACCO.

54. ED 024 179
MEYEN, EDWARD L.; CARR, DONALD L.
IN-SERVICE TRAINING MATERIALS FOR TEACHERS OF THE EDUCABLE MENTALLY RETARDED.
IOWA STATE DEPT. OF PUBLIC INSTRUCTION, DES MOINES.; IOWA CITY; SPECIAL EDUCATION CURRICULUM DEVELOPMENT CENTER, IOWA CITY, IOWA
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
BUREAU NUMBER BR-6-2883-5
PUB DATE [66]
GRANT OEG-3-7-002883-0499
EDRS PRICE MF-$1.00 HC-$11.10 220P.

DESCRIPTORS--ANIMAL SCIENCE, ASTRONOMY, BIOLOGICAL SCIENCES, *CURRICULUM, CURRICULUM GUIDES, EARTH SCIENCE, EDUCABLE MENTALLY HANDICAPPED, *EXCEPTIONAL CHILD EDUCATION, INTERMEDIATE GRADES, JUNIOR HIGH SCHOOLS, LESSON PLANS, *MENTALLY HANDICAPPED, PHYSICAL SCIENCES, PLANT SCIENCE, PRIMARY GRADES, *SCIENCES, SENIOR HIGH SCHOOLS, SPIRAL CURRICULUM.

55. ED 022 700
MILLS, THOMAS J.
AMERICAN SCIENCE MANPOWER 1966-A REPORT OF THE NATIONAL REGISTER OF SCIENTIFIC AND TECHNICAL PERSONNEL.
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
REPORT NUMBER NSF-68-7
PUB DATE DEC 67
EDRS PRICE MF-$1.00 HC-$8.92 221P.
DESCRIPTORS--EDUCATION, EMPLOYERS, *PERSONNEL DATA, SALARIES, *SCIENTIFIC PERSONNEL, *SCIENTISTS.

56. ED 024 604
MILLSTONE, H. GEORGE
GUIDE FOR TEACHING CHEMISTRY-PHYSICS COMBINED 1-2, 3-4 (PSSC-CHEMS).
SAN DIEGO CITY SCHOOLS, CALIF.
PUB DATE 66
EDRS PRICE MF-$0.50 HC-$3.20 59P.
DESCRIPTORS--CHEMISTRY, COURSE DESCRIPTIONS, *CURRICULUM DEVELOPMENT, GRADE 11, GRADE 12, INSTRUCTIONAL MATERIALS, OBJECTIVES, *PHYSICAL SCIENCES, PHYSICS, SCIENCE ACTIVITIES, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES.

57. ED 023 284
MOONEY, WILLIAM T., JR.
MASTER PLANNING SCIENCE FACILITIES.
CALIFORNIA JUNIOR COLL. ASSOCIATION, SACRAMENTO; CALIF. STATE DEPT. OF EDUCATION, SACRAMENTO, BUREAU OF SCHOOL PLANNING
PUB DATE FEB 64
EDRS PRICE MF-$0.25 HC-$0.75 13P.
DESCRIPTORS--CHEMISTRY, *COLLEGE PLANNING, COMMITTEES, *EDUCATIONAL SPECIFICATIONS, INFORMATION NEEDS, *JUNIOR COLLEGES, SCHOOL SIZE, SCIENCE EQUIPMENT, *SCIENCE FACILITIES, SCIENCE LABORATORIES, *SPACE UTILIZATION, SPATIAL RELATIONSHIP.

58. ED 024 233
MOONEY, WILLIAM T., JR.
THE UTILIZATION OF CONSULTANTS FOR THE PLANNING AND DESIGNING OF COLLEGE SCIENCE FACILITIES.
PUB DATE 8 SEP 67
EDRS PRICE MF-$0.25 HC-$0.60 10P.
DESCRIPTORS--ARCHITECTS, *ARCHITECTURAL PROGRAMING, BIBLIOGRAPHIES, *EDUCATIONAL PLANNING, *HIGHER EDUCATION, PROFESSIONAL SERVICES, REFERRAL, *SCIENCE CONSULTANTS, *SCIENCE FACILITIES, SPECIALISTS.

59. ED 025 435
NEWTON, DAVID E.; WATSON, FLETCHER G.
THE RESEARCH ON SCIENCE EDUCATION SURVEY. THE STATUS OF TEACHER EDUCATION PROGRAMS IN THE SCIENCES, 1965-1967.
HAVARD UNIV., CAMBRIDGE, MASS. GRADUATE SCHOOL OF EDUCATION
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF RESEARCH
BUREAU NUMBER BR-8-A-020
PUB DATE 68
GRANT OEG-1-7-062406-3149; OEG-1-8-0020-0040-057
EDRS PRICE MF-$0.75 HC-$6.75 133P.
DESCRIPTORS--BIOLOGY, CHEMISTRY, *COLLEGE SCIENCE, CURRICULUM, EARTH SCIENCE, EDUCATIONAL PROGRAMS, ELEMENTARY SCHOOL SCIENCE, ELEMENTARY SCHOOL TEACHERS, INSTRUCTION, PHYSICS, *SCIENCE EDUCATION, SECONDARY SCHOOL SCIENCE, SECONDARY SCHOOL TEACHERS, STUDENT TEACHERS, TEACHER CHARACTERISTICS, *TEACHER EDUCATION.

60. ED 024 606
NICODEMUS, ROBERT B.
A SUMMER PROGRAM FOR TEACHERS OF EARTH SCIENCE CURRICULUM PROJECT MATERIALS.
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
PUB DATE 68
EDRS PRICE MF-$0.25 HC-$1.15 21P
DESCRIPTORS-- *EARTH SCIENCE, EDUCATIONAL PROGRAMS, *PROGRAM DESCRIPTIONS, SCIENCE COURSE IMPROVEMENT PROJECT, *SECONDARY SCHOOL SCIENCE, *SUMMER INSTITUTES, *TEACHER EDUCATION.

61. ED 025 455
PACKARD, JOHN W.; HAGGETT, HIRAM R.
AEROSPACE CURRICULUM RESOURCE GUIDE.
MASSACHUSETTS STATE DEPT. OF EDUCATION, BOSTON; NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, WASHINGTON, D.C.
PUB DATE JAN 68
EDRS PRICE MF-$1.00 HC-$10.65 211P.
DESCRIPTORS-- *AEROSPACE TECHNOLOGY, EARTH SCIENCE, *ELEMENTARY SCHOOL SCIENCE, FINE ARTS, INDUSTRIAL ARTS, LANGUAGE ARTS, MATHEMATICS, *REFERENCE MATERIALS, *RESOURCE MATERIALS, *SECONDARY SCHOOL SCIENCE, SOCIAL STUDIES.

62. ED 021 759
PICKAR, ARNOLD D.; AND OTHERS
DEVELOPMENT OF A CORE-COURSE FOR COLLEGE SCIENCE MAJORS COMBINING MATERIAL FROM INTRODUCTORY COURSES IN BIOLOGY, CHEMISTRY, AND PHYSICS. FINAL REPORT.
PORTLAND STATE COLL., OREG.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF RESEARCH
PUB DATE OCT 67
GRANT OEG-4-7-068468-0060 BN-BR-6-8468
EDRS PRICE MF-$0.25 HC-$2.12 51P.
DESCRIPTORS--BIOLOGY, CHEMISTRY, *COLLEGE SCIENCE, COURSE CONTENT, COURSE EVALUATION, *CURRICULUM DEVELOPMENT, *INTERDISCIPLINARY APPROACH, PHYSICS.

63. ED 025 447
PLANTS, HELEN L.; VENABLE, WALLACE S.
DEVELOPMENT AND EVALUATION OF TWO APPROACHES TO AN ELEMENTARY COURSE IN DYNAMICS. FINAL REPORT.
WEST VIRGINIA UNIV., MORGANTOWN
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF RESEARCH
BUREAU NUMBER BR-8-C-002
PUB DATE DEC 68
GRANT OEG-0-8-000002-1805(010)
EDRS PRICE MF-$0.50 HC-$3.50 68P.
DESCRIPTORS--ACHIEVEMENT, COMPARATIVE ANALYSIS, *ENGINEERING, *INSTRUCTION, PROBLEM SOLVING, *PROGRAMED INSTRUCTION, TEACHING PROCEDURES, UNDERGRADUATE STUDY.

64. ED 022 694
PROMBAIN, DOROTHY R.; AND OTHERS
CHEMICAL INDICATORS.
WELLESLEY PUBLIC SCHOOLS, MASS. CENTER FOR COLLABORATIVE LEARNING
MEDIA PACKAGES
EDRS PRICE MF-$0.25 HC-$2.36 5P.
DESCRIPTORS-- *CHEMISTRY, *ELEMENTARY SCHOOL SCIENCE, GENERAL SCIENCE, *INSTRUCTIONAL MATERIALS, *SCIENCE ACTIVITIES, *TEACHING GUIDES.

65. ED 026 287
RAMSEY, GREGOR A.; HOWE, ROBERT W.
AN ANALYSIS OF RESEARCH ON INSTRUCTIONAL PROCEDURES IN SECONDARY SCHOOL SCIENCE, PART I-OUTCOMES OF INSTRUCTION.
ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE EDUCATION, COLUMBUS, OHIO
PUB DATE MAR 69
EDRS PRICE MF-$0.25 HC-$0.55 9P.
DESCRIPTORS-- *ACHIEVEMENT, ATTITUDES, BIOLOGY, CHEMISTRY, *CRITICAL THINKING, DEDUCTIVE METHODS, EARTH SCIENCE, EVALUATION, GENERAL SCIENCE, INDUCTIVE METHODS, *INSTRUCTION, PHYSICS, *SECONDARY SCHOOL SCIENCE, TEACHING METHODS.

66. ED 024 595
RAUN, CHESTER E.; BUTTS, DAVID P.
THE RELATIONSHIP BETWEEN THE STRATEGIES OF INQUIRY IN SCIENCE AND STUDENT COGNITIVE AND AFFECTIVE BEHAVIORAL CHANGE.
UNIVERSITY OF TEXAS, AUSTIN, SCIENCE EDUCATION CENTER
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF RESEARCH
BUREAU NUMBER BR-5-0249
PUB DATE [66]
CONTRACT OEC-6-10-108
EDRS PRICE MF-$0.25 HC-$1.30 24P.
DESCRIPTORS--ACHIEVEMENT, ATTITUDES, *BEHAVIOR CHANGE, COGNITIVE DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, GRADE 4, GRADE 5, GRADE 6, *INSTRUCTION, INTELLIGENCE, LEARNING, PROBLEM SOLVING, SCIENCE COURSE IMPROVEMENT PROJECT, *STUDENT CHARACTERISTICS.

67. ED 024 579
REISMAN, ARNOLD,
ENGINEERING: A L K INWARD AND A REACH OUTWARD.
WISCONSIN UNIV., WAUKEE, COLL. OF APPLIED SCIENCE A ENGINEERING
PUB DATE 67
EDRS PRICE MF-$0 50 HC-$4.00 78P.
DESCRIPTORS-- *CONFERENCE REPORTS, CONFERENCES, *ENGINEERING, ENGINEERING EDUCATION, INDUSTRIALIZATION, NATURAL RESOURCES, SCIENTIFIC RESEARCH, *SOCIO-ECONOMIC INFLUENCES, SYSTEMS ANALYSIS, *TECHNOLOGICAL ADVANCEMENT, TECHNOLOGY.

68. ED 022 459
RICE, ERIC D.
A STUDY OF THE DESIRABILITY OF OFFERING A NON-TRANSFER BIOLOGY COURSE AT CHAFFEY COLLEGE.
PUB DATE JUN 68
EDRS PRICE MF-$0.25 HC-$1.08 25P.
DESCRIPTORS-- *BIOLOGICAL SCIENCES, *JUNIOR COLLEGES, *NATURAL SCIENCES, *SCIENCE EDUCATION.

69. ED 024 593
RICHARDSON, JOHN S.; SHOWALTER, VICTOR
EFFECTS OF A UNIFIED SCIENCE CURRICULUM ON HIGH SCHOOL GRADUATES.
OHIO STATE UNIV., COLUMBUS, RESEARCH FOUNDATION
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF RESEARCH
BUREAU NUMBER BR-6-8937
PUB DATE DEC 67
GRANT OEG-1-7-068937-3761
EDRS PRICE MF-$0.50 HC-$5.35 105P.
DESCRIPTORS-- *CURRICULUM, CURRICULUM DEVELOPMENT, *FOLLOWUP STUDIES, HIGH SCHOOL GRADUATES, SCIENTIFIC LITERACY, *SECONDARY SCHOOL SCIENCE, STUDENT CHARACTERISTICS, STUDENT SCIENCE INTERESTS.

70. ED 023 609
RUFOLO, DANIEL O.
GUIDE FOR TEACHING HONORS PHYSICS 1-2. FIFTH EDITION.
SAN DIEGO CITY SCHOOLS, CALIF.
PUB DATE 68
EDRS PRICE MF-$0.50 HC-$4.40 86P.
DESCRIPTORS-- *ABLE STUDENTS, COURSE DESCRIPTIONS, *CURRICULUM, GRADE 12, INSTRUCTION, INSTRUCTIONAL MATERIALS, OBJECTIVES, PHYSICAL SCIENCES, *PHYSICS, SCIENCE EQUIPMENT, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES.

71. ED 022 663
SANDERS, WILLIAM J.; BLOOMBERG, WILFRED
TEACHING ABOUT ALCOHOL IN CONNECTICUT SCHOOLS-A GUIDE FOR TEACHERS AND ADMINISTRATORS.
CONNECTICUT STATE DEPT. OF EDUCATION, HARTFORD. BUREAU OF ELEMENTARY AND SECONDARY EDUCATION; CONNECTICUT STATE DEPT. OF MENTAL HEALTH, HARTFORD. ALCOHOLISM DIV.
REPORT NUMBER BULL-NO-99
PUB DATE 66
EDRS PRICE MF-$0.25 HC-$0.96 22P.
DESCRIPTORS-- *ALCOHOL EDUCATION, *ALCOHOLISM, BIBLIOGRAPHIES, *HEALTH EDUCATION, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES.

72. ED 023 611
SASLAW, MILTON S.
EVALUATION OF A PROGRAM TO PROMOTE SCIENTIFIC CAREERS IN GIFTED STUDENTS AT THE SECONDARY LEVEL. FINAL REPORT.
MIAMI UNIV., CORAL GABLES, FLA. GRADUATE SCHOOL
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF RESEARCH.
BUREAU NUMBER BR-5-0648
PUB DATE JUN 68
CONTRACT OEC-6-10-317
EDRS PRICE MF-$0.25 HC-$2.70 52P.

DESCRIPTORS--ACHIEVEMENT, CAREER CHOICE, *CAREERS, COURSE EVALUATION, COURSE ORGANIZATION, *CURRICULUM DEVELOPMENT, *HIGH ACHIEVERS, MOTIVATION, PROGRAM EVALUATION, *SCIENCE CAREERS, *SECONDARY SCHOOL SCIENCE, STUDENT SCIENCE INTEREST.

73. ED 021 764
SCHEIN, MARTIN W.
CONTENT OF CORE CURRICULA IN BIOLOGY.
COMMISSION ON UNDERGRADUATE EDUCATION IN BIOLOGICAL SCIENCE
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
REPORT NUMBER PUB-NO-18
PUB DATE JUN 67
EDRS PRICE MF-$0.75 HC-$7.16 177P.
DESCRIPTORS-- *BIOLOGICAL SCIENCES, *COLLEGE SCIENCE, CORE CURRICULUM, COURSE CONTENT, *CURRICULUM, DEGREE REQUIREMENTS, EDUCATIONAL PROGRAMS, PROGRAM DESCRIPTIONS, SCIENTIFIC CONCEPTS, UNDERGRADUATE STUDY.

74. ED 025 413
SCHOLTZ, R.G.; AND OTHERS
FEASIBILITY STUDY OF THE DEVELOPMENT OF A SPECIALIZED COMPUTER SYSTEM OF ORGANIC CHEMICAL SIGNATURES OF SPECTRAL DATA.
ILLINOIS INST. OF TECH., CHICAGO
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
REPORT NUMBER IITRI-C6104-4
PUB DATE APR 68
CONTRACT NSF-C514
EDRS PRICE MF-$0 75 HC-$9.40 186P.
DESCRIPTORS-- *CHEMISTRY, *INFORMATION RETRIEVAL, *INFORMATION SCIENCE, *ORGAINIC CHEMISTRY.

75. ED 021 767
SCOTT, ARTHUR; AND OTHERS
BIOLOGY--CHEMISTRY--PHYSICS, TEACHERS' GUIDE, A THREE-YEAR SEQUENCE, PARTS I AND II.
PORTLAND STATE COLL., OREG.; REED COLL., PORTLAND, OREG.
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
PUB DATE 67
EDRS PRICE MF-$1.00 HC-$8.36 207P.
DESCRIPTORS--BIOLOGY, CHEMISTRY, *CURRICULUM, *CURRICULUM GUIDES, *INTERDISCIPLINARY APPROACH, PHYSICS, PROGRAM DESCRIPTIONS, SCIENCE ACTIVITIES, SCIENCE COURSE IMPROVEMENT PROJECT, *SECONDARY SCHOOL SCIENCE, TEACHING GUIDES, TEACHING PROCEDURES.

76. ED 022 690
SCOTT, ARTHUR; AND OTHERS
BIOLOGY--CHEMISTRY--PHYSICS, STUDENTS' GUIDE, A THREE-YEAR SEQUENCE, PARTS I AND II.
REED COLL., PORTLAND, OREG.
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
PUB DATE 67
EDRS PRICE MF-$0.75 HC-$7.36 182P.
DESCRIPTORS--BIOLOGY, CHEMISTRY, *CURRICULUM, *INSTRUCTIONAL MATERIALS, *INTERDISCIPLINARY APPROACH, PROGRAM DESCRIPTIONS, SCIENCE ACTIVITIES, SCIENCE COURSE IMPROVEMENT PROJECT, *SECONDARY SCHOOL SCIENCE.

77. ED 021 768
SCOTT, ARTHUR; AND OTHERS
BIOLOGY--CHEMISTRY--PHYSICS, STUDENTS' GUIDE, A THREE-YEAR SEQUENCE, PARTS III AND IV.
PORTLAND STATE COLL., OREG.; REED COLL., PORTLAND, OREG.
NATIONAL SCIENCE FOUNDATION
WASHINGTON, D.C.
PUB DATE 67
EDRS PRICE MF-$1.25 HC-$10.80 268P.
DESCRIPTORS--BIOLOGY, CHEMISTRY, CURRICULUM, *INSTRUCTIONAL MATERIALS, *INTERDISCIPLINARY APPROACH, PHYSICS, PROGRAM DESCRIPTION, SCIENCE ACTIVITIES, SCIENCE COURSE IMPROVEMENT PROJECT.

78. ED 022 691
SCOTT, ARTHUR; AND OTHERS
BIOLOGY--CHEMISTRY--PHYSICS, TEACHERS' GUIDE, A THREE-YEAR SEQUENCE, PARTS III AND IV.
PORTLAND STATE COLL., OREG.; REED COLL., PORTLAND, OREG.
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
PUB DATE 67
EDRS PRICE MF-$1.25 HC-$12.04 299P.
DESCRIPTORS--BIOLOGY, CHEMISTRY, *CURRICULUM, *INTERDISCIPLINARY APPROACH, PHYSICS, PROGRAM DESCRIPTIONS, *SCIENCE ACTIVITIES, SCIENCE COURSE IMPROVEMENT PROJECT, *SECONDARY SCHOOL SCIENCE, TEACHING GUIDES, TEACHING PROCEDURES.

79. ED 021 595
SHANK, RUSSELL
REGIONAL ACCESS TO SCIENTIFIC AND TECHNICAL INFORMATION, A PROGRAM FOR ACTION IN THE NEW YORK METROPOLITAN AREA. REPORT OF THE METRO SCIENCE LIBRARY PROJECT, 1966-67. METRO MISCELLANEOUS PUBLICATIONS SERIES, NUMBER 1.
NEW YORK METROPOLITAN REFERENCE AND RESEARCH LIBRARY AGENCY, N.Y.
PUB DATE 68
EDRS PRICE MF-$1.00 HC-$8.36 207P.
DESCRIPTORS-- *ENGINEERING, *INFORMATION NEEDS, INFORMATION SERVICES, INFORMATION SYSTEMS, INTERLIBRARY LOANS, LIBRARY COLLECTIONS, *LIBRARY COOPERATION. LIBRARY FACILITIES, *SCIENCES, *TECHNOLOGY.

80. ED 026 254
SHELBY, BETTY; AND OTHERS
DESERT LIFE, EXPERIMENTAL EDITION PREPARED FOR TESTING IN THE PRIMARY GRADES.
WELLESLEY PUBLIC SCHOOLS, MASS. CENTER FOR COLLABORATIVE, EARNING MEDIA PACKAGES OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF ELEMENTARY AND SECONDARY EDUCATION.
EDRS PRICE MF-$0.25 HC-$1.85 35P.
DESCRIPTORS-- *BIOLOGY, CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, GRADE 1, GRADE 2, INSTRUCTIONAL MATERIALS, *SCIENCE ACTIVITIES, *TEACHING GUIDES.

81. ED 021 400
SHERWOOD, CHARLES
BUILDING PROGRAM STATEMENT FOR THE GENERAL CHEMISTRY FACILITY. CHEMISTRY DEPARTMENT FACILITIES REQUIREMENTS THROUGH 31,000 STUDENTS.
PURDUE UNIV., LAFAYETTE, IND.
PUB DATE APR 67
EDRS PRICE MF-$0.50 HC-$4.40 108P.
DESCRIPTORS--AUDIOLOGY, *CHEMISTRY INSTRUCTION, CLASSROOMS, COLLEGE BUILDINGS, *EDUCATIONAL SPECIFICATIONS, *ENROLLMENT PROJECTIONS, *FACILITY REQUIREMENTS, RESEARCH, *SCIENCE LABORATORIES, SPEECH EDUCATION.

82. ED 025 436
SHOWALTER, VICTOR
NEW DIRECTIONS FOR SCIENCE CURRICULUM DEVELOPMENT.
EDUCATIONAL RESEARCH COUNCIL OF AMERICA, CLEVELAND, OHIO
PUB DATE 14 JUN 68
EDRS PRICE MF-$0.25 HC-$1.40 26P.
DESCRIPTORS--BIBLIOGRAPHIES, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, GENERAL EDUCATION, INSTRUCTION, *MODELS, OBJECTIVES, *SCIENTIFIC LITERACY, *SECONDARY SCHOOL SCIENCE.

83. ED 024 594
SHOWALTER, VICTOR M.; SLESNICK, IRWIN L.
AWARD WINNING SCIENCE PROJECTS.
NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D.C.
PUB DATE 68
EDRS PRICE MF-$0.25 HC NOT AVAILABLE FROM EDRS. 35P.
DESCRIPTORS--BIOLOGY, CHEMISTRY, EARTH SCIENCE, HIGH SCHOOL STUDENTS, JUNIOR HIGH SCHOOL STUDENTS, PHYSICS, *SCIENCE ACTIVITIES, *SCIENCE EXPERIMENTS, *SCIENCE PROJECTS, *SECONDARY SCHOOL SCIENCE.

84. ED 023 583
SLATER, MARGARET; KEENAN, STELLA
RESULTS OF QUESTIONNAIRE ON CURRENT AWARENESS METHODS USED BY PHYSICISTS PRIOR TO PUBLICATION OF "CURRENT PAPERS IN PHYSICS."
AMERICAN INST. OF PHYSICS, NEW YORK, N.Y.; INSTITUTION OF ELECTRICAL ENGINEERS, LONDON (ENGLAND)
REPORT NUMBER AIP/CPP-1; INSPEC/1
PUB DATE SEP 67
EDRS PRICE MF-$0.25 HC-$2.05 39P.
DESCRIPTORS-- *COLLEGE SCIENCE, *INFORMATION DISSEMINATION, *INFORMATION SCIENCE, INFORMATION SERVICES, INFORMATION UTILIZATION, PHYSICAL SCIENCES, *PHYSICS, PUBLICATIONS, RESEARCH, *SCIENTIFIC RESEARCH.

85. ED 024 574
SMITH, HERBERT A.
AN ANALYSIS OF A TYPICAL INSTRUCTIONAL UNIT IN JUNIOR HIGH SCHOOL SCIENCE TO DETERMINE THE EXPLICIT AND IMPLICIT CONCEPT LOADING INVOLVED. FINAL REPORT.
COLORADO STATE UNIV., FT. COLLINS
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF RESEARCH
BUREAU NUMBER BR-7-8176
PUB DATE JUN 68
CONTRACT OEC-1-7-078176-4201
EDRS PRICE MF-$0.25 HC-$0.95 17P.
DESCRIPTORS--CONCEPT FORMATION, COURSE CONTENT, *CURRICULUM EVALUATION, *EARTH SCIENCE, *LEARNING SCIENCE COURSES, *SCIENTIFIC CONCEPTS, *SECONDARY SCHOOL SCIENCE.

86. ED 024 573
SMITH, HERBERT A.
INSTITUTE ON EVALUATION FOR SCIENCE PROGRAMS. FINAL REPORT.
NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D.C.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF RESEARCH
BUREAU NUMBER BR-8-8045
PUB DATE APR 68
CONTRACT OEC-1-7-070006-3789
EDRS PRICE MF-$0.50 HC-$6.00 118P.
DESCRIPTORS--EDUCATIONAL PROGRAMS, *EVALUATION, *MODELS, PROGRAM DESCRIPTIONS, SCIENCE INSTITUTES, *SCIENCE PROGRAMS, SUPERVISOR.

87. ED 025 463
TANNENBAUM, HAROLD E.
FINAL TECHNICAL REPORT OF THE INSTITUTE FOR: TEACHERS OF DISADVANTAGED YOUTH: SCIENCE FOR ELEMENTARY TEACHERS.
CITY UNIV. OF NEW YORK, N.Y. HUNTER COLL.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
PUB DATE SEP 67
CONTRACT OEC-6-42-036
EDRS PRICE MF-$0.75 HC-$8.15 161P.
DESCRIPTORS--ACHIEVEMENT TESTS, ATTITUDE TESTS, BEHAVIOR CHANGE, CHECK LISTS, *DISADVANTAGED YOUTH, EDUCATIONAL CHANGE, *ELEMENTARY SCHOOL SCIENCE, *ELEMENTARY SCHOOL TEACHERS, *INSTITUTES (TRAINING PROGRAMS), MEASUREMENT INSTRUMENTS, OBSERVATION, *PROGRAM EVALUATION, QUESTIONNAIRES, TEACHER ATTITUDES, TEACHER BEHAVIOR.

88. ED 022 708
TAYLOR, PAUL H.; AND OTHERS
SCIENCE GRADES K-6.
NORTH CAROLINA STATE DEPT. OF PUBLIC INSTRUCTION, RALEIGH
PUB DATE MAR 68
EDRS PRICE MF-$1.00 HC-$8.20 203P.
DESCRIPTORS--CONCEPTUAL SCHEMES, *CURRICULUM, *CURRICULUM GUIDES, *ELEMENTARY SCHOOL SCIENCE, SCIENCE ACTIVITIES, *TEACHING GUIDES, TEACHING PROCEDURES, TEACHING TECHNIQUES.

89. ED 023 596
TAYLOR, PAUL H.; AND OTHERS
A GUIDE TO SCIENCE GRADES K-6.
NORTH CAROLINA STATE DEPT. OF PUBLIC INSTRUCTION, RALEIGH
PUB DATE 65
EDRS PRICE MF-$0.25 HC-$1.65 31P.
DESCRIPTORS--CONCEPTUAL SCHEMES, COURSE OBJECTIVES, *CURRICULUM, *CURRICULUM GUIDES, EDUCATIONAL OBJECTIVES, *ELEMENTARY SCHOOL SCIENCE, PROGRAM DESCRIPTIONS, *TEACHING GUIDES.

90. ED 021 746
TRIEGER, SEYMOUR
INVESTIGATING SCIENCE WITH CHILDREN, VOLUME 3, ATOMS AND MOLECULES.
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, WASHINGTON, D.C.; NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D.C.
PUB DATE 64
EDRS PRICE MF-$0.50 HC NOT AVAILABLE FROM EDRS. 95P.
DESCRIPTORS-- *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTIONAL MATERIALS, LABORATORY EXPERIMENTS, MATTER, *PHYSICAL SCIENCES, SCIENCE ACTIVITIES, *TEACHING GUIDES.

91. ED 026 274
WAGNER, BARTLETT A., ED.
THE PLANETARIUM, AN ELEMENTARY-SCHOOL TEACHING RESOURCE.
BRIDGEPORT UNIV., CONN.
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, WASHINGTON, D.C.
REPORT NUMBER EP-42
PUB DATE FEB 66
EDRS PRICE MF-$0.50 HC-$3.10 60P.
DESCRIPTORS--ASTRONOMY, AUDIOVISUAL AIDS, BIBLIOGRAPHIES, *EARTH SCIENCE, *ELEMENTARY SCHOOL SCIENCE, FILMS, INSTRUCTIONAL MATERIALS, *PLANETARIUMS, SCIENCE ACTIVITIES, *TEACHING GUIDES.

92. ED 023 614
WALTON, GEORGE
A SMALL PROJECT RESEARCH PROPOSAL IN SECONDARY SCHOOL SCIENCE EDUCATION. FINAL REPORT.
WESTERN NEW MEXICO UNIV., SILVER CITY
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF RESEARCH
BUREAU NUMBER BR-7-G-045
PUB DATE AUG 68
GRANT OEG-7-8-000045-0020
EDRS PRICE MF-$1.50 HC-$19.65 391P.
DESCRIPTORS--ACHIEVEMENT, *CHEMISTRY, COURSE DESCRIPTIONS, *CURRICULUM DEVELOPMENT, *INSTRUCTION, LOW ACHIEVERS, SCIENCE COURSES, *SECONDARY SCHOOL SCIENCE.

93. ED 026 275
WATKINS, STEVEN N.
INTRODUCING CHILDREN TO SPACE, THE LINCOLN PLAN, A SPACE HANDBOOK FOR TEACHERS GRADES K THROUGH 6.
LINCOLN PUBLIC SCHOOLS, NEBR.
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, WASHINGTON, D.C. EDUCATIONAL PROGRAMS DIV.
REPORT NUMBER ED-36
PUB DATE [63]
EDRS PRICE MF-$0.75 HC-$8.45 167P.
DESCRIPTORS-- *AEROSPACE TECHNOLOGY, BIBLIOGRAPHIES, *EARTH SCIENCE, *ELEMENTARY SCHOOL SCIENCE, INSTRUCTIONAL MATERIALS, SCIENCE ACTIVITIES, *TEACHING GUIDES.

94. ED 025 424
WELCH, WAYNE W.
HARVARD PROJECT PHYSICS RESEARCH AND EVALUATION BIBLIOGRAPHY.
HAVARD UNIV., CAMBRIDGE, MASS.
HARVARD PROJECT PHYSICS
PUB DATE NOV 68
EDRS PRICE MF-$0.25 HC-$0.45 7P.
DESCRIPTORS-- *BIBLIOGRAPHIES, *CURRICULUM DEVELOPMENT, *EVALUATION, *PHYSICS, RESEARCH, SCIENCE COURSE IMPROVEMENT PROJECT, *SECONDARY SCHOOL SCIENCE.

95. ED 021 807
WHITE, MARJORIE A.; AND OTHERS
A STUDY OF CONTRASTING PATTERNS IN INSERVICE EDUCATION.
TEXAS UNIV., AUSTIN, SCIENCE EDUCATION CENTER
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF RESEARCH
REPORT NUMBER SIP-RR-3
BUREAU NUMBER BR-5-0249
PUB DATE [67]
CONTRACT OEC-6-10-108
EDRS PRICE MF-$0.25 HC-$0.96 22P.
DESCRIPTORS--CHANGING ATTITUDES, CURRICULUM PROBLEMS, *EFFECTIVE TEACHING, *ELEMENTARY SCHOOL TEACHERS, *INSERVICE TEACHER EDUCATION, *SCIENCE CURRICULUM, *TEACHER ATTITUDES.

96. ED 022 449
WISE, DONALD L.
A PROGRAM TO STRENGTHEN UNDERGRADUATE BIOLOGICAL EDUCATION.
COMMISSION ON UNDERGRADUATE EDUCATION IN BIOLOGICAL SCIENCE
PUB DATE JUN 68
EDRS PRICE MF-$0.25 HC-$0.40 8P.
DESCRIPTORS-- *BIOLOGY INSTRUCTION, EXPERIMENTAL PROGRAMS, EXPERIMENTAL TEACHING, *INNOVATION, INSTRUCTION, *INSTRUCTIONAL INNOVATION, *JUNIOR COLLEGES, *SCIENCE EDUCATION, SCIENCE TEACHERS, TEACHING TECHNIQUES.

97. ED 024 580
WISE, JOHN H.
AN ADVANCED CHEMISTRY LABORATORY PROGRAM.
WASHINGTON AND LEE UNIV., LEXINGTON, VA.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
BUREAU OF RESEARCH
BUREAU NUMBER BR-5-8262
PUB DATE 68
EDRS PRICE MF-$0.25 HC-$0.60 10P.
DESCRIPTORS-- *CHEMISTRY, *COLLEGE SCIENCE, CURRICULUM DEVELOPMENT, INSTRUCTION, *LABORATORY EXPERIMENTS, UNDERGRADUATE STUDY.

98. ED 023 578
WOOD, DONALD A.; LEBOLD, WILLIAM K.
THE MULTIVARIATE NATURE OF PROFESSIONAL JOB SATISFACTION.
PURDUE UNIV., LAFAYETTE, IND.
PUB DATE NOV 67
EDRS PRICE MF-$0.25 HC-$1.05 19P.
DESCRIPTORS-- *CAREERS, *EMPLOYMENT, ENGINEERING, *ENGINEERS, *JOB SATISFACTION, PHYSICAL SCIENCES, SCIENTISTS, SOCIOECONOMIC INFLUENCES.

99. ED 026 256
ABOUT BSCS BIOLOGY.
BIOLOGICAL SCIENCE CURRICULUM STUDY, BOULDER, COLO.
PUB DATE AUG 67
EDRS PRICE MF-$0.25 HC-$0.70 12P.
DESCRIPTORS-- *BIOLOGY, *CURRICULUM DEVELOPMENT, EDUCATIONAL OBJECTIVES, EVALUATION, INSTRUCTION, INSTRUCTIONAL MATERIALS, *PROGRAM DESCRIPTIONS, *SCIENCE COURSE IMPROVEMENT PROJECT, *SECONDARY SCHOOL SCIENCE.

100. ED 026 272
AEROSPACE BIBLIOGRAPHY, FOURTH EDITION.
NATIONAL AEROSPACE EDUCATION COUNCIL, WASHINGTON, D.C.
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, WASHINGTON, D.C.
REPORT NUMBER EP-48
PUB DATE JAN 68
EDRS PRICE MF-$0.50 HC-$2.20 62P.
DESCRIPTORS-- *AEROSPACE TECHNOLOGY, ANNOTATED BIBLIOGRAPHIES, ASTRONOMY, *BIBLIOGRAPHIES, EARTH SCIENCE, *ELEMENTARY SCHOOL SCIENCE, INSTRUCTIONAL MATERIALS, *SECONDARY SCHOOL SCIENCE.

101. ED 026 244
ANNUAL REPORT OF THE NATIONAL SCIENCE FOUNDATION ON CONTRACT NSF-C414 TASK III JULY 1966 THROUGH JUNE 1967.
AMERICAN CHEMICAL SOCIETY, COLUMBUS, OHIO, CHEMICAL ABSTRACTS SERVICE
PUB DATE JUN 67
EDRS PRICE MF-$0.25 HC-$2.90 56P.
DESCRIPTORS-- *ABSTRACTS, *ANNUAL REPORTS, *CHEMISTRY, INFORMATION DISSEMINATION, INFORMATION PROCESSING, *INFORMATION SCIENCE.

102. ED 025 450
THE CRAFT OF TEACHING AND THE SCHOOLING OF TEACHERS. NATIONAL CONFERENCE, THE U.S. OFFICE OF EDUCATION TRI-UNIVERSITY PROJECT IN ELEMENTARY EDUCATION (1ST, DENVER, SEPTEMBER 18-20, 1967).
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
PUB DATE SEP 67
EDRS PRICE MF-$0.75 HC-$9.05 209P.
DESCRIPTORS--COGNITIVE DEVELOPMENT, *CONFERENCE REPORTS, ELEMENTARY EDUCATION, *ELEMENTARY SCHOOL CURRICULUM, *ELEMENTARY SCHOOL TEACHERS, *ENVIRONMENTAL INFLUENCES, INSTRUCTIONAL INNOVATION, INSTRUCTIONAL TECHNOLOGY, LANGUAGE ARTS, LEARNING THEORIES, PARENT INFLUENCE, PHYSICAL ENVIRONMENT, SOCIOCULTURAL PATTERNS, *TEACHER EDUCATION, WRITING.

103. ED 025 428
CUBBERLEY/LOCKHEED SCIENCE PROJECT FINAL REPORT, VOLUME 1 - NARRATIVE REPORT. A DEVELOPMENT PROGRAM TO ATTAIN STATED BEHAVIORAL OBJECTIVES IN SCIENCE: A SYSTEM APPROACH.
CUBBERLEY (ELWOOD P.) SENIOR HIGH SCHOOL, PALO ALTO, CALIF.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. D.C. BUREAU OF ELEMENTARY AND SECONDARY EDUCATION
REPORT NUMBER DPSC-67-3011
EDRS PRICE MF-$0.50 HC-$4.05 79P.
DESCRIPTORS-- *BIOLOGICAL SCIENCES, *CURRICULUM DEVELOPMENT, *EARTH SCIENCE, *SECONDARY SCHOOL SCIENCE, *SYSTEMS APPROACH.

104. ED 025 429
CUBBERLEY/LOCKHEED SCIENCE PROJECT FINAL REPORT, VOLUME II - EXPERIMENTAL INSTRUCTIONAL MATERIALS. AN INSTRUCTIONAL PACKAGE FOR A UNIT ON SCIENTIFIC INQUIRY.
CUBBERLEY (ELWOOD P.) SENIOR HIGH SCHOOL, PALO ALTO, CALIF.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. D.C. BUREAU OF ELEMENTARY AND SECONDARY EDUCATION
PUB DATE FEB 68
EDRS PRICE MF-$0.75 HC-$7.15 141P.
DESCRIPTORS-- *BIOLOGICAL SCIENCES, CURRICULUM DEVELOPMENT, *EARTH SCIENCE, *INSTRUCTIONAL MATERIALS, LABORATORY MANUALS, *PROGRAMED INSTRUCTION, SCIENCE ACTIVITIES, *SECONDARY SCHOOL SCIENCE.

105. ED 026 263
CUBBERLEY-LOCKHEED SCIENCE PROJECT FINAL REPORT, VOLUME III, PHASE II SYSTEM SPECIFICATIONS.
CUBBERLEY (ELWOOD P.) SENIOR HIGH SCHOOL, PALO ALTO, CALIF.; LOCKHEED MISSILES AND SPACE CO., SUNNYVALE, CALIF. EDUCATION SYSTEMS; PALO ALTO UNIFIED SCHOOL DISTRICT, CALIF.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. D.C. BUREAU OF ELEMENTARY AND SECONDARY EDUCATION
PUB DATE APR 68
CONTRACT OEC-4-7-673011-2862
EDRS PRICE MF-$0.75 HC-$9.40 186P.
DESCRIPTORS-- *BIOLOGICAL SCIENCES, *CURRICULUM DEVELOPMENT, *EARTH SCIENCE, EDUCATIONAL OBJECTIVES, EVALUATION, INSTRUCTION, INSTRUCTIONAL MATERIALS, SCIENCE FACILITIES, *SECONDARY SCHOOL SCIENCE, STUDENT CHARACTERISTICS, *SYSTEMS APPROACH.

106. ED 021 747
IDEAS FOR TEACHING SCIENCE IN THE JUNIOR HIGH SCHOOL.
NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D.C.
PUB DATE 63
EDRS PRICE MF-$1.00 HC NOT AVAILABLE FROM EDRS. 263P.
DESCRIPTORS--ACADEMIC ACHIEVEMENT, AUDIOVISUAL AIDS, *BIOLOGICAL SCIENCES, *EARTH SCIENCE, INDEPENDENT STUDY, *PHYSICAL SCIENCES, RESOURCE MATERIALS, *SCIENCE ACTIVITIES, SCIENCE EQUIPMENT, SCIENCE MATERIALS, SCIENCE UNITS, SECONDARY SCHOOL SCIENCE, STUDENT INTERESTS, TEACHING TECHNIQUES.

107. ED 021 736
LABORATORY MANUAL, ELECTRICAL ENGINEERING 24.
SYRACUSE UNIV., N.Y. DEPT OF ELECTRICAL ENGINEERING
BUREAU NUMBER BR-5-0796
PUB DATE 66
CONTRACT OEC-4-10-102
EDRS PRICE MF-$0.50 HC-$4.48 110P.
DESCRIPTORS-- *COLLEGE SCIENCE, ELECTRICITY, *ENGINEERING EDUCATION, *INSTRUCTIONAL MATERIALS, *INSTRUMENTATION, LABORATORY MANUALS, MEASUREMENT, PHYSICAL SCIENCES, SAFETY, SCIENCE ACTIVITIES, TEXTBOOKS, UNDERGRADUATE STUDY.

108. ED 021 738
LABORATORY MANUAL, ELECTRICAL ENGINEERING 25.
SYRACUSE UNIV., N.Y. DEPT. OF ELECTRICAL ENGINEERING
BUREAU NUMBER BR-5-0796
PUB DATE 66
CONTRACT OEC-4-10-102
EDRS PRICE MF-$0.50 HC-$2.44 59P.

DESCRIPTORS-- *COLLEGE SCIENCE, ELECTRICITY, ELECTRONICS, ENGINEERING EDUCATION, *INSTRUCTIONAL MATERIALS, INSTRUMENTATION, LABORATORY MANUALS, PHYSICS, SCIENCES, SCIENCE ACTIVITIES, TEXTBOOKS, UNDERGRADUATE STUDY.

109. ED 024 613
MASSACHUSETTS HEALTH MANPOWER TRAINING, PART II, IN 4 YEAR COLLEGES & UNIVERSITIES, INVENTORY 1968.
TRAINING CENTER FOR COMPREHENSIVE CARE, JAMAICA PLAIN, MASS.
PUB DATE 68
EDRS PRICE MF-$0.50 HC-$4.15 81P.
DESCRIPTORS-- *COLLEGE PROGRAMS, *DIRECTORIES, *EDUCATIONAL PROGRAMS, *HEALTH EDUCATION, HEALTH OCCUPATIONS, *HEALTH OCCUPATIONS EDUCATION, PROGRAM DESCRIPTIONS.

110. ED 022 705
PROBLEMS IN TWO-YEAR COLLEGE CHEMISTRY. SUPPLEMENTARY REPORT.
ADVISORY COUNCIL ON COLL. CHEMISTRY
REPORT NUMBER 20A
EDRS PRICE MF-$0.50 HC-$3.08 75P.
DESCRIPTORS-- *CHEMISTRY, *COLLEGE SCIENCES, *COLLEGE STUDENTS, COMMUNITY COLLEGES, CONFERENCE REPORTS, INSTRUCTION, JUNIOR COLLEGES, UNDERGRADUATE STUDY.

111. ED 021 705
REPORT OF THE MIDWEST CONFERENCE ON ARTICULATION IN THE SCIENCES BETWEEN JUNIOR COLLEGES AND 4-YEAR COLLEGES AND UNIVERSITIES, DES MOINES, IOWA, SEPTEMBER 30-OCTOBER 1, 1966.
IOWA ACADEMY OF SCIENCE; NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTION, D.C.
PUB DATE 66
EDRS PRICE MF-$0.25 HC-$2.36 57P.
DESCRIPTORS-- *COLLEGE SCIENCE, *CONFERENCE REPORTS, *CURRICULUM, EDUCATIONAL OBJECTIVES, HIGHER EDUCATION, INSTRUCTION, INTEGRATED CURRICULUM, JUNIOR COLLEGES, *NATURAL SCIENCES, TEACHING PROCEDURES.

112. ED 023 602
RESOURCE MATERIAL FOR TEACHERS-SCIENCE. CAREER GUIDANCE SERIES.
NEW YORK CITY BOARD OF EDUCATION, BROOKLYN, N.Y. BUREAU OF CURRICULUM DEVELOPMENT
PUB DATE 66
EDRS PRICE MF-$0.75 HC NOT AVAILABLE FROM EDRS. 192P.
DESCRIPTORS--BIOLOGY, CHEMISTRY, *CURRICULUM, GRADE 9, INSTRUCTIONAL MATERIALS, PHYSICS, SCIENCE ACTIVITIES, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES.

113. ED 022 711
SCIENCE-CURRICULUM GUIDELINES GRADES K-12.
ALASKA STATE DEPT. OF EDUCATION, JUNEAU
PUB DATE 67
EDRS PRICE MF-$0.50 HC-$3.16 77P.
DESCRIPTORS--CONCEPTUAL SCHEMES, COURSE DESCRIPTIONS, COURSE OBJECTIVES, *CURRICULUM DEVELOPMENT, *CURRICULUM GUIDES, *ELEMENTARY SCHOOL SCIENCE, *SECONDARY SCHOOL SCIENCE, TEACHING GUIDES.

114. ED 025 441
SCIENCE EDUCATION INFORMATION ANALYSIS CENTER NEWSLETTER, VOLUME 1, NUMBER 4.
ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE EDUCATION, COLUMBUS, OHIO
PUB DATE SEP 68
EDRS PRICE MF-$0.25 HC-$1.85 35P.
DESCRIPTORS-- *BIBLIOGRAPHIES, *COLLEGE SCIENCE, *ELEMENTARY SCHOOL SCIENCE, NEWSLETTERS, *SCIENCE EDUCATION, *SECONDARY SCHOOL SCIENCE.

115. ED 025 443
SCIENCE EDUCATION INFORMATION ANALYSIS CENTER NEWSLETTER, VOLUME 2, NUMBER 1.
ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE EDUCATION, COLUMBUS, OHIO
PUB DATE OCT 68
EDRS PRICE MF-$0.25 HC-$0.85 15P.
DESCRIPTORS-- *BIBLIOGRAPHIES, *COLLEGE MATHEMATICS, ELEMENTARY SCHOOL MATHEMATICS, *MATHEMATICS EDUCATION, NEWSLETTERS, *SECONDARY SCHOOL MATHEMATICS.

116. ED 021 772
SCIENCE EDUCATION INFORMATION REPORT, GENERAL BIBLIOGRAPHY SERIES 6, TEACHER RESOURCE MATERIALS.
ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE EDUCATION, COLUMBUS, OHIO
PUB DATE MAY 68
EDRS PRICE MF-$0.50 HC-$3.72 91P.
DESCRIPTORS--AUDIOVISUAL AIDS, *BIBLIOGRAPHIES, BIOLOGICAL SCIENCES, CHEMISTRY, COLLEGE SCIENCE, CONSERVATION EDUCATION, CURRICULUM GUIDES, EARTH SCIENCE, ELEMENTARY SCHOOL SCIENCE, FILMS, FILMSTRIPS, HEALTH EDUCATION, INSTRUCTION, PHYSICAL SCIENCES, PHYSICS, *RESOURCE MATERIALS, RESOURCE UNITS, SCIENCE ACTIVITIES, SECONDARY SCHOOL SCIENCE, TELEVISED INSTRUCTION.

117. ED 021 771
SCIENCE EDUCATION INFORMATION REPORT, GENERAL BIBLIOGRAPHY SERIES 7, SCIENCE AND SOCIETY, HISTORY OF SCIENCE EDUCATION, SCIENCE HISTORY, GENERAL STUDIES AND SURVEYS.
ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE EDUCATION, COLUMBUS, OHIO
PUB DATE MAY 68
EDRS PRICE MF-$0.25 HC-$1.24 29P.
DESCRIPTORS-- *BIBLIOGRAPHIES, BIOLOGY, CHEMISTRY, COLLEGE SCIENCE, DOCTORAL THESES, EARTH SCIENCE, EDUCATIONAL RESEARCH, ELEMENTARY SCHOOL SCIENCE, INSTRUCTION, INTERNATIONAL EDUCATION, PHYSICAL SCIENCES, PHYSICS, *SCIENCE EDUCATION HISTORY, *SCIENCE HISTORY, SCIENTIFIC ENTERPRISE, SCIENTIFIC LITERACY, SECONDARY SCHOOL SCIENCE, SOCIOECONOMIC INFLUENCES, STUDENT ATTITUDES, TEACHER EDUCATION.

118. ED 021 766
SCIENCE EDUCATION INFORMATION REPORT, GENERAL BIBLIOGRAPHY SERIES 8, LEGISLATIVE ACTS AND REPORTS, ADMINISTRATION AND SUPERVISION, SCIENCE FACILITIES.
ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE EDUCATION, COLUMBUS, OHIO
PUB DATE MAY 68
EDRS PRICE MF-$0.25 HC-$0.64 14P.
DESCRIPTORS-- *ADMINISTRATION, ASTRONOMY, *BIBLIOGRAPHIES, BIOLOGICAL SCIENCES, CHEMISTRY, COLLEGE SCIENCE, CONSERVATION EDUCATION, CURRICULUM, DOCTORAL THESES, EARTH SCIENCE, ELEMENTARY SCHOOL SCIENCE, FEDERAL AID, FEDERAL PROGRAMS, GENERAL SCIENCE, INSTRUCTIONAL MATERIALS, *LEGISLATION, MATHEMATICS EDUCATION, OUTDOOR EDUCATION, *SCIENCE FACILITIES, SECONDARY SCHOOL SCIENCE, *SUPERVISION.

119. ED 021 774
SCIENCE EDUCATION INFORMATION REPORT, GENERAL BIBLIOGRAPHY SERIES 9, EVALUATION AND EDUCATIONAL OBJECTIVES, LEARNING THEORIES AND PROCESSES, RESEARCH METHODOLOGY.
ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE EDUCATION, COLUMBUS, OHIO
PUB DATE MAY 68
EDRS PRICE MF-$0.25 HC-$1.40 33P.
DESCRIPTORS--ACHIEVEMENT, COGNITIVE DEVELOPMENT, COLLEGE SCIENCE, CONCEPT FORMATION, CREATIVITY, CRITICAL THINKING, DOCTORAL THESES, *EDUCATIONAL OBJECTIVES, *EDUCATIONAL RESEARCH, ELEMENTARY SCHOOL SCIENCE, *EVALUATION, INTERACTION PROCESS ANALYSIS, *LEARNING, PROBLEM SOLVING, RESEARCH METHODOLOGY, *SCIENCE EDUCATION, SECONDARY SCHOOL SCIENCE, TEACHER EDUCATION, TESTS.

120. ED 021 773
SCIENCE EDUCATION INFORMATION REPORT, GENERAL BIBLIOGRAPHY SERIES 10, TEACHER CHARACTERISTICS, STUDENT CHARACTERISTICS.
ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE EDUCATION, COLUMBUS, OHIO
PUB DATE MAY 68
EDRS PRICE MF-$0.25 HC-$0.76 17P.

DESCRIPTORS--ADVANCED PROGRAMS, *BIBLIOGRAPHIES, BIOLOGY, CHEMISTRY, COLLEGE SCIENCE, DOCTORAL THESES, EDUCATIONALLY DISADVANTAGED, ELEMENTARY SCHOOL SCIENCE, INTERACTION PROCESS ANALYSIS, PHYSICAL SCIENCES, PHYSICS, *SCIENCE TEACHERS, SECONDARY SCHOOL SCIENCE, SLOW LEARNERS, STUDENT ATTITUDES, *STUDENT CHARACTERISTICS, TEACHER ATTITUDES, *TEACHER CHARACTERISTICS, TEACHER EVALUATION.

121. ED 026 277
SCIENCE EDUCATION INFORMATION REPORT, GENERAL BIBLIOGRAPHY SERIES 11, INSTRUCTIONAL PROCEDURES.
ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE EDUCATION, COLUMBUS, OHIO
PUB DATE DEC 68
EDRS PRICE MF-$0.50 HC-$3.40 66P.
DESCRIPTORS-- AUDIOVISUAL AIDS, *BIBLIOGRAPHIES, BIOLOGY, *COLLEGE SCIENCE, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, PHYSICAL SCIENCES, SCIENCE ACTIVITIES, *SECONDARY SCHOOL SCIENCE, TEACHER EDUCATION, TEACHING METHODS.

122. ED 026 278
SCIENCE EDUCATION INFORMATION REPORT, GENERAL BIBLIOGRAPHY SERIES 12, TEACHER EDUCATION.
ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE EDUCATION, COLUMBUS, OHIO
PUB DATE DEC 68
EDRS PRICE MF-$0.25 HC-$1.80 34P.
DESCRIPTORS-- *BIBLIOGRAPHIES, BIOLOGY, COLLEGE SCIENCE, CURRICULUM DEVELOPMENT, *EDUCATIONAL PROGRAMS, ELEMENTARY SCHOOL SCIENCE, GRADUATE STUDY, MATHEMATICS EDUCATION, PHYSICAL SCIENCES, *PROGRAM DESCRIPTIONS, *SCIENCE EDUCATION, SECONDARY SCHOOL SCIENCE, TEACHER CERTIFICATION, TEACHER CHARACTERISTICS, *TEACHER EDUCATION, UNDERGRADUATE STUDY.

123. ED 026 279
SCIENCE EDUCATION INFORMATION REPORT, GENERAL BIBLIOGRAPHY SERIES 13, INSTRUCTIONAL EQUIPMENT AND MATERIALS.
ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE EDUCATION, COLUMBUS, OHIO
PUB DATE DEC 68
EDRS PRICE MF-$0.50 HC-$4.05 79P.
DESCRIPTORS-- *AUDIOVISUAL AIDS, *BIBLIOGRAPHIES, BIOLOGY, COLLEGE SCIENCE, ELEMENTARY SCHOOL SCIENCE, LABORATORY EQUIPMENT, MATHEMATICS EDUCATION, PHYSICAL SCIENCES, *SCIENCE EDUCATION, *SCIENCE EQUIPMENT, *SCIENCE MATERIALS, SECONDARY SCHOOL SCIENCE.

124. ED 026 280
SCIENCE EDUCATION INFORMATION REPORT, GENERAL BIBLIOGRAPHY SERIES 14, CURRICULUM.
ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE EDUCATION, COLUMBUS, OHIO
PUB DATE DEC 68
EDRS PRICE MF-$0.50 HC-$5.00 118P.
DESCRIPTORS-- *BIBLIOGRAPHIES, COLLEGE SCIENCE, CONSERVATION EDUCATION, *CURRICULUM, *CURRICULUM DEVELOPMENT, CURRICULUM GUIDES, ELEMENTARY SCHOOL SCIENCE, *INSERVICE EDUCATION, INTEGRATED CURRICULUM, INTERNATIONAL EDUCATION, MATHEMATICS, OUTDOOR EDUCATION, *SCIENCE EDUCATION, SECONDARY SCHOOL SCIENCE, TEACHER EDUCATION, TEACHING GUIDES.

125. ED 026 281
SCIENCE EDUCATION INFORMATION REPORT, GENERAL BIBLIOGRAPHY SERIES 15, ACHIEVEMENT.
ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE EDUCATION, COLUMBUS, OHIO
PUB DATE DEC 68
EDRS PRICE MF-$0.25 HC-$1.45 27P.
DESCRIPTORS--ABILITY GROUPING, ABLE STUDENTS, *ACADEMIC ACHIEVEMENT, *ACHIEVEMENT, *BIBLIOGRAPHIES, BIOLOGY, COLLEGE SCIENCE, CONCEPT FORMATION, CRITICAL THINKING, ELEMENTARY SCHOOL SCIENCE, EVALUATION, INSTRUCTION, *MATHEMATICS EDUCATION, PHYSICAL SCIENCES, *SCIENCE EDUCATION, SECONDARY SCHOOL SCIENCE, STUDENT CHARACTERISTICS, TEACHING METHODS.

126. ED 026 282
SCIENCE EDUCATION INFORMATION REPORT, GENERAL BIBLIOGRAPHY SERIES 16, TEACHER RESOURCE MATERIALS.
ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE EDUCATION, COLUMBUS, OHIO
PUB DATE DEC 68
EDRS PRICE MF-$0.50 HC-$4.75 93P.
DESCRIPTORS--AUDIOVISUAL AIDS, *BIBLIOGRAPHIES, COLLEGE SCIENCE, CONSERVATION EDUCATION, CURRICULUM GUIDES, ELEMENTARY SCHOOL SCIENCE, FILMS, FILMSTRIPS, HEALTH EDUCATION, *INSTRUCTION, *INSTRUCTIONAL MATERIALS, PHYSICAL SCIENCES, *RESOURCE MATERIALS, SCIENCE ACTIVITIES, *SCIENCE EDUCATION, SECONDARY SCHOOL SCIENCE, TEACHING GUIDES, TELEVISED INSTRUCTION.

127. ED 026 283
SCIENCE EDUCATION INFORMATION REPORT, GENERAL BIBLIOGRAPHY SERIES 17, SCIENCE AND SOCIETY, HISTORY OF SCIENCE EDUCATION, SCIENCE HISTORY, GENERAL STUDIES AND SURVEYS.
ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE EDUCATION, COLUMBUS, OHIO
PUB DATE DEC 68
EDRS PRICE MF-$0.25 HC-$1.70 32P.
DESCRIPTORS-- *BIBLIOGRAPHIES, BIOLOGY, COLLEGE SCIENCE, EDUCATIONAL RESEARCH, ELEMENTARY SCHOOL SCIENCE, INSTRUCTION, INTERNATIONAL EDUCATION, PHYSICAL SCIENCES, *SCIENCE EDUCATION, *SCIENCE EDUCATION HISTORY, *SCIENCE HISTORY, SCIENTIFIC ENTERPRISE, SCIENTIFIC LITERACY, SECONDARY SCHOOL SCIENCE, *SOCIOECONOMIC INFLUENCES, TEACHER EDUCATION

128. ED 026 284
SCIENCE EDUCATION INFORMATION REPORT, GENERAL BIBLIOGRAPHY SERIES 18, LEGISLATIVE ACTS AND REPORTS, ADMINISTRATION AND SUPERVISION, SCIENCE FACILITIES.
ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE EDUCATION, COLUMBUS, OHIO
PUB DATE DEC 68
EDRS PRICE MF-$0.25 HC-$0.90 16P.
DESCRIPTORS-- *ADMINISTRATION, *BIBLIOGRAPHIES, BIOLOGICAL SCIENCES, COLLEGE SCIENCE, ELEMENTARY SCHOOL SCIENCE, FEDERAL AID, FEDERAL PROGRAMS, *LEGISLATION, MATHEMATICS EDUCATION, OUTDOOR EDUCATION, *SCIENCE FACILITIES, SECONDARY SCHOOL SCIENCE, *SUPERVISION.

129. ED 026 285
SCIENCE EDUCATION INFORMATION REPORT, GENERAL BIBLIOGRAPHY SERIES 19, EVALUATION AND EDUCATIONAL OBJECTIVES, LEARNING THEORIES AND PROCESSES, RESEARCH METHODOLOGY.
ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE EDUCATION, COLUMBUS, OHIO
PUB DATE DEC 68
EDRS PRICE MF-$0.25 HC-$2.55 49P.
DESCRIPTORS--ACHIEVEMENT, *BIBLIOGRAPHIES, COGNITIVE DEVELOPMENT, COLLEGE SCIENCE, CONCEPT FORMATION, CREATIVITY, CRITICAL THINKING, EDUCATIONAL OBJECTIVES, EDUCATIONAL RESEARCH, ELEMENTARY SCHOOL SCIENCE, *EVALUATION, *LEARNING, PROBLEM SOLVING, *RESEARCH, *SCIENCE EDUCATION, SECONDARY SCHOOL SCIENCE, TESTS.

130. ED 026 286
SCIENCE EDUCATION INFORMATION REPORT, GENERAL BIBLIOGRAPHY SERIES 20, TEACHER CHARACTERISTICS, STUDENT CHARACTERISTICS.
ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE EDUCATION, COLUMBUS, OHIO
PUB DATE JAN 69
EDRS PRICE MF-$0.25 HC-$1.35 25P.
DESCRIPTORS-- *BIBLIOGRAPHIES, BIOLOGY, COLLEGE SCIENCE, EDUCATIONALLY DISADVANTAGED, ELEMENTARY SCHOOL SCIENCE, PHYSICAL SCIENCES, *SCIENCE EDUCATION, *SCIENCE TEACHERS, SECONDARY SCHOOL SCIENCE, SLOW LEARNERS, STUDENT ATTITUDES, *STUDENT CHARACTERISTICS, TEACHER ATTITUDES, *TEACHER CHARACTERISTICS, TEACHER EVALUATION.

131. ED 023 603
SCIENCE GRADES 3-4.
NEW YORK CITY BOARD OF EDUCATION, BROOKLYN, N.Y. BUREAU OF CURRICULUM DEVELOPMENT
PUB DATE 66
EDRS PRICE MF-$1.50 HC NOT AVAILABLE FROM EDRS. 353P.
DESCRIPTORS--BIOLOGY, *CURRICULUM, EARTH SCIENCE, *ELEMENTARY SCHOOL SCIENCE, *GENERAL SCIENCE, GRADE 3, GRADE 4, INSTRUCTIONAL MATERIALS, PHYSICAL SCIENCES, SCIENCE ACTIVITIES, *TEACHING GUIDES.

132. ED 025 902
SCIENCE FACILITIES FOR MISSISSIPPI SCHOOLS, GRADES 1-12.
MISSISSIPPI STATE DEPT. OF EDUCATION, JACKSON, DIV. OF INSTRUCTION
REPORT NUMBER BULL-153
PUB DATE MAY 62
EDRS PRICE MF-$0.50 HC-$3.75 73P.
DESCRIPTORS-- *AUDIOVISUAL AIDS, BIBLIOGRAPHIES, BIOLOGY INSTRUCTION, CHEMISTRY INSTRUCTION, *EDUCATIONAL SPECIFICATIONS, ELEMENTARY SCHOOL SCIENCE, *FACILITY GUIDELINES, INTERMEDIATE GRADES, PHYSICS INSTRUCTION, SCIENCE EQUIPMENT, *SCIENCE FACILITIES, SECONDARY SCHOOL SCIENCE, *STANDARDS.

133. ED 021 750
SCIENCE FRAMEWORK FOR CALIFORNIA PUBLIC SCHOOLS, PRELIMINARY.
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO
PUB DATE 68
EDRS PRICE MF-$0.50 HC-$4.00 98P.
DESCRIPTORS--BEHAVIORAL OBJECTIVES, CURRICULUM DEVELOPMENT, *CURRICULUM PLANNING, EDUCATIONAL OBJECTIVES, EDUCATIONAL PHILOSOPHY, EDUCATIONAL PROGRAMS, *ELEMENTARY SCHOOL SCIENCE, INSTRUCTION, INSTRUCTIONAL MATERIALS, LEARNING, RESOURCE MATERIALS, *SCIENCE EDUCATION, *SECONDARY SCHOOL SCIENCE, TEACHER EDUCATION.

134. ED 021 744
SCIENCE IN THE JUNIOR HIGH SCHOOL: A COURSE OF STUDY AND TEACHING GUIDE FOR GRADES 7, 8, 9.
MISSISSIPPI STATE DEPT. OF EDUCATION, JACKSON
REPORT NUMBER BULL-NO-160
PUB DATE MAR 67
EDRS PRICE MF-$1.25 HC-$13.56 337P.
DESCRIPTORS--BIBLIOGRAPHIES, BIOLOGY, *CURRICULUM DEVELOPMENT, EARTH SCIENCE, *GENERAL SCIENCE, PHYSICAL SCIENCES, *SCIENCE ACTIVITIES, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES.

135. ED 024 608
SOME SPECIFICATIONS FOR A COMPUTER-ORIENTED FIRST COURSE IN ELECTRICAL ENGINEERING.
COMMISSION ON ENGINEERING EDUCATION, WASHINGTON, D.C.
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
PUB DATE SEP 68
GRANT NSF-GY-2108
EDRS PRICE MF-$0.25 HC-$0.55 9P.
DESCRIPTORS--COMPUTER ORIENTED PROGRAMS, *COMPUTER SCIENCE, *CONFERENCE REPORTS, *COURSE DESCRIPTIONS, CURRICULUM GUIDES, ELECTRICAL OCCUPATIONS, *ENGINEERING, *ENGINEERING EDUCATION, SCIENCE COURSES.

136. ED 024 607
AN UNDERGRADUATE ELECTRICAL ENGINEERING COURSE ON COMPUTER ORGANIZATION.
COMMISSION ON ENGINEERING EDUCATION, WASHINGTON, D.C.
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
PUB DATE OCT 68
GRANT NSF-GY-2108
EDRS PRICE MF-$0.25 HC-$0.40 7P.
DESCRIPTORS--COMPUTER ORIENTED PROGRAMS, *COMPUTER SCIENCE, *CONFERENCE REPORTS, *COURSE DESCRIPTIONS, CURRICULUM GUIDES, ELECTRICAL OCCUPATIONS, *ENGINEERING, *ENGINEERING EDUCATION, SCIENCE COURSES.

II. MATHEMATICS EDUCATION

1. ED 026 175
ANDERSON, JAMES G.; JOHNSON, WILLIAM H.
SOCIAL AND CULTURAL CHARACTERISTICS OF MEXICAN-AMERICAN FAMILIES IN SOUTH EL PASO, TEXAS. INTERIM REPORT OF THE MATHEMATICS EDUCATION PROGRAM.
NEW MEXICO STATE UNIV., LAS CRUCES
SOUTHWEST EDUCATIONAL DEVELOPMENT CORP., AUSTIN, TEX.
PUB DATE 27 DEC 68
EDRS PRICE MF-$0.25 HC-$2.45 47P.
DESCRIPTORS--AREA STUDIES, *CULTURAL FACTORS, EDUCATIONAL RESEARCH, FAMILY SCHOOL RELATIONSHIP, MATHEMATICS EDUCATION, *MATHEMATICS INSTRUCTION, *MEXICAN AMERICANS, *MOTIVATION, SOCIAL FACTORS, SPANISH SPEAKING, *SUCCESS FACTORS, TABLES (DATA).

2. ED 024 566
BADAR, LAWRENCE J.
INTRODUCTION TO QUANTITATIVE SCIENCE, A NINTH-GRADE LABORATORY-CENTERED COURSE STRESSING QUANTITATIVE OBSERVATION AND MATHEMATICAL ANALYSIS OF EXPERIMENTAL RESULTS. FINAL REPORT.
ROCKY RIVER PUBLIC SCHOOLS, OHIO
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C., BUREAU OF RESEARCH
BUREAU NUMBER BR-6-1708
PUB DATE FEB 68
CONTRACT OEC-3-7-061708-2206
EDRS PRICE MF-$1.00 HC-$11.10 220P.
DESCRIPTORS-- *CURRICULUM DEVELOPMENT, GRADE 9, MATHEMATICS, MEASUREMENT, *PHYSICAL SCIENCES, PROBLEM SOLVING, SCIENCE ACTIVITIES, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES.

3. ED 026 238
BALABANIAN, NORMAN
LINE INTEGRAL OF A VECTOR.
SYRACUSE UNIV., N.Y. DEPT. OF ELECTRICAL ENGINEERING
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C., BUREAU OF RESEARCH
BUREAU NUMBER BR-5-0796
PUB DATE 65
CONTRACT OEC-4-10-102
EDRS PRICE MF-$0.50 HC-$3.85 75P.
DESCRIPTORS-- *COLLEGE MATHEMATICS, *ENGINEERING, *INSTRUCTIONAL MATERIALS, MATHEMATICS, PHYSICS, *PROGRAMED INSTRUCTION, *PROGRAMED TEXTS.

4. ED 026 240
BALABANIAN, NORMAN; ROOT, AUGUSTIN A.
SINUSOIDS AND PHASORS.
SYRACUSE UNIV., N.Y. DEPT. OF ELECTRICAL ENGINEERING
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C., BUREAU OF RESEARCH
BUREAU NUMBER BR-5-0796
PUB DATE 64
CONTRACT OEC-4-10-102
EDRS PRICE MF-$0.50 HC-$5.20 102P.
DESCRIPTORS-- *COLLEGE MATHEMATICS, *ENGINEERING, *INSTRUCTIONAL MATERIALS, *MATHEMATICS, PROGRAMED INSTRUCTION, *PROGRAMED TEXTS.

5. ED 023 595
BASSLER, OTTO C.
COMPARISON OF TWO TEACHING TECHNIQUES IN ELEMENTARY SCHOOL MATHEMATICS. FINAL REPORT.
GEORGE PEABODY COLL. FOR TEACHERS, NASHVILLE, TENN.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C., BUREAU OF RESEARCH
BUREAU NUMBER BR-7-D-032
PUB DATE JUL 68
GRANT OEG-4-8-070032-0003-057
EDRS PRICE MF-$0.25 HC-$2.75 53P.
DESCRIPTORS-- *ARITHMETIC, COMPARATIVE ANALYSIS, *ELEMENTARY SCHOOL MATHEMATICS, FUNDAMENTAL CONCEPTS, GRADE 4, GRADE 6, GRADE 8, *INSTRUCTION, *MATHEMATICS, *PROGRAMED INSTRUCTION, TEACHING PROCEDURES.

6. ED 022 712
BINGHAM, JOHN D.
THE DEVELOPMENT OF SINGLE CONCEPT AUDIO-VISUAL DEVICES FOR TEACHING ARITHMETIC CONCEPTS TO LOW ACHIEVING HIGH SCHOOL STUDENTS. FINAL REPORT.

LIVONIA PUBLIC SCHOOLS, MICH.
OFFICE OF EDUCATION (DHEW),
WASHINGTON, D.C., BUREAU OF RESEARCH
BUREAU NUMBER BR-6-8510
PUB DATE JAN 67
CONTRACT OEC-3-7-068510-0185
EDRS PRICE MF-$0.50 HC-$3.44 64P.
DESCRIPTORS-- *ARITHMETIC, AUDIOVISUAL AIDS, CURRICULUM, *INSTRUCTIONAL MATERIALS, *LOW ACHIEVERS, MATHEMATICS, NUMBER CONCEPTS, *SECONDARY SCHOOL MATHEMATICS.

7. ED 022 703
BROWNELL, WILLIAM A.; AND OTHERS
ARITHMETICAL COMPUTATION: COMPETENCE AFTER THREE YEARS OF LEARNING UNDER DIFFERING INSTRUCTIONAL PROGRAMS.
CALIFORNIA UNIV., BERKELEY
OFFICE OF EDUCATION (DHEW),
WASHINGTON, D.C., BUREAU OF RESEARCH
BUREAU NUMBER BR-6-1077
EDRS PRICE MF-$1.00 HC-$10.28 255P.
DESCRIPTORS--ACHIEVEMENT, *ARITHMETIC, *COMPARATIVE ANALYSIS, *INSTRUCTION, LEARNING, MATHEMATICS, TEACHING TECHNIQUES.

8. ED 022 693
BUTLER, MARION
A9 MATHEMATICS (SLOW LEARNERS) - AN INSTRUCTIONAL BULLETIN.
LOS ANGELES CITY SCHOOLS, CALIF.
PUB DATE 68
EDRS PRICE MF-$0.25 HC-$0.60 13P.
DESCRIPTORS--ALGEBRA, *ARITHMETIC, *CURRICULUM, CURRICULUM GUIDES, GRADE 9, MATHEMATICS, *SLOW LEARNERS, *TEACHING GUIDES.

9. ED 025 432
CASEY, RALPH; AND OTHERS
CENTRAL IOWA LOW ACHIEVER MATHEMATICS PROJECT - MATH IN SPORTS.
CENTRAL IOWA LOW-ACHIEVER MATHEMATICS PROJECT, DES MOINES
OFFICE OF EDUCATION (DHEW),
WASHINGTON, D.C., BUREAU OF ELEMENTARY AND SECONDARY EDUCATION
PUB DATE [NOV 68]
GRANT OEG-3965
EDRS PRICE MF-$0.50 HC-$3.45 67P.
DESCRIPTORS--ARITHMETIC, GRADE 7, GRADE 8, GRADE 9, *INSTRUCTIONAL MATERIALS, *LOW ACHIEVERS, *MATHEMATICS, RESOURCE MATERIALS, *SECONDARY SCHOOL MATHEMATICS.

10. ED 022 688
CHINN, WILLIAM G.; AND OTHERS
SCHOOL MATHEMATICS STUDY GROUP REPORT NO. 1, THE PROGRAMED LEARNING PROJECT.
STANFORD UNIV., CALIF. SCHOOL MATHEMATICS STUDY GROUP
NATIONAL SCIENCE FOUNDATION,
WASHINGTON, D.C.
PUB DATE 66
EDRS PRICE MF-$0.50 HC-$3.92 96P.
DESCRIPTORS-- *ALGEBRA, CURRICULUM, *CURRICULUM DEVELOPMENT, CURRICULUM EVALUATION, GRADE 9, INSTRUCTION, *MATHEMATICS, *PROGRAMED INSTRUCTION, *SECONDARY SCHOOL MATHEMATICS.

11. ED 021 756
CHINN, WILLIAM G.; SUMMERFIELD, JEANETTE O.
SCHOOL MATHEMATICS STUDY GROUP REPORT NO. 4, THE SPECIAL CURRICULUM PROJECT: 1965-1966 PILOT PROGRAM ON MATHEMATICS LEARNING OF CULTURALLY DISADVANTAGED PRIMARY SCHOOL CHILDREN.
STANFORD UNIV., CALIF. SCHOOL MATHEMATICS STUDY GROUP
NATIONAL SCIENCE FOUNDATION,
WASHINGTON, D.C.
PUB DATE 67
EDRS PRICE MF-$0.50 HC-$3.24 79P.
DESCRIPTORS-- *ACHIEVEMENT, COMPARATIVE ANALYSIS, CULTURALLY DISADVANTAGED, *CURRICULUM, CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL MATHEMATICS, GRADE 1, KINDERGARTEN, LEARNING, *MATHEMATICS.

12. ED 023 588
COHEN, DONALD; AND OTHERS
SUPPLEMENTARY MODERN MATHEMATICS FOR GRADES 1 THROUGH 9 - IN-SERVICE COURSE FOR TEACHERS.
SYRACUSE UNIV., N.Y.; WEBSTER COLL., WEBSTERS GROVE, MO.
OFFICE OF EDUCATION (DHEW),
WASHINGTON, D.C., BUREAU OF RESEARCH
BUREAU NUMBER BR-5-1172
CONTRACT OEC-6-10-183
EDRS PRICE MF-$1.00 HC-$11.50 228P.

DESCRIPTORS--ALGEBRA, ARITHMETIC, CURRICULUM DEVELOPMENT, DISCOVERY LEARNING, *ELEMENTARY SCHOOL MATHEMATICS, INSERVICE COURSES, *INSERVICE TEACHER EDUCATION, INSTRUCTIONAL MATERIALS, MATHEMATICAL CONCEPTS, MODERN MATHEMATICS, *TEACHER EDUCATION.

13. ED 023 175
COOK, DORIS M.; AND OTHERS
RESEARCH AND DEVELOPMENT ACTIVITIES IN R & I UNITS OF TWO ELEMENTARY SCHOOLS OF JANESVILLE, WISCONSIN, 1966-67.
REPORT FROM PROJECT MODELS.
WISCONSIN UNIV., MADISON. RESEARCH AND DEVELOPMENT CENTER FOR COGNITIVE LEARNING
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C., BUREAU OF RESEARCH
REPORT NUMBER TR-45
BUREAU NUMBER BR-5-0216
PUB DATE MAR 68
CONTRACT OEC-5-10-154
EDRS PRICE MF-$0.25 HC-$1.20 22P.
DESCRIPTORS--EDUCATIONAL RESEARCH, FIELD STUDIES, GRADE 1, GRADE 6, *INDIVIDUALIZED PROGRAMS, INSTRUCTIONAL IMPROVEMENT, *LEARNING MOTIVATION, MANIPULATIVE MATERIALS, *MATHEMATICS INSTRUCTION, RESEARCH AND DEVELOPMENT CENTERS, *RESEARCH AND INSTRUCTION UNITS, *SPELLING INSTRUCTION, STATISTICAL ANALYSIS.

14. ED 023 577
DAVIS, ROBERT B.
EXPERIMENTAL COURSE REPORT/GRADE NINE.
SYRACUSE UNIV., N.Y.; WEBSTER COLL., WEBSTERS GROVE, MO.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C., BUREAU OF RESEARCH
REPORT NUMBER CRP-D-233
BUREAU NUMBER BR-5-1172
CONTRACT OEC-6-10-183
EDRS PRICE MF-$0.50 HC-$4.35 85P.
DESCRIPTORS--ALGEBRA, CURRICULUM DEVELOPMENT, *CURRICULUM GUIDES, GRADE 9, *MATHEMATICS, MODERN MATHEMATICS, SECONDARY SCHOOL MATHEMATICS.

15. ED 021 754
DEVENNEY, WILLIAM S.
SCHOOL MATHEMATICS STUDY GROUP REPORT NO. 6, PRELIMINARY REPORT ON AN EXPERIMENT WITH JUNIOR HIGH SCHOOL VERY LOW ACHIEVERS IN MATHEMATICS.
STANFORD, UNIV., CALIF. SCHOOL MATHEMATICS STUDY GROUP
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
PUB DATE 68
EDRS PRICE MF-$0.50 HC-$4.76 117P.
DESCRIPTORS--ACADEMIC ACHIEVEMENT, *ACHIEVEMENT, *CURRICULUM, CURRICULUM DEVELOPMENT, INSTRUCTION, LEARNING, LOW ABILITY STUDENTS, *LOW ACHIEVERS, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS.

16. ED 022 698
DUREN, WILLIAM L., JR.
BASIC LIBRARY LIST.
COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS, BERKELEY, CALIF.
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
PUB DATE JAN 65
EDRS PRICE MF-$0.25 HC-$2.20 53P.
DESCRIPTORS--ALGEBRA, *COLLEGE MATHEMATICS, CURRICULUM PLANNING, GEOMETRY, *INSTRUCTIONAL MATERIALS, *LIBRARY MATERIALS, MATHEMATICS, PROBABILITY, REFERENCE BOOKS, REFERENCE MATERIALS, STATISTICS, UNDERGRADUATE STUDY.

17. ED 022 697
DUREN, W.L., JR.
A GENERAL CURRICULUM IN MATHEMATICS FOR COLLEGES.
COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS, BERKELEY, CALIF.
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
PUB DATE JAN 65
EDRS PRICE MF-$0.50 HC-$3.24 79P.
DESCRIPTORS--ALGEBRA, CALCULUS, *COLLEGE MATHEMATICS, COURSE DESCRIPTIONS, *CURRICULUM, CURRICULUM DEVELOPMENT, CURRICULUM PLANNING, GRADUATE STUDY, MATHEMATICS, OBJECTIVES, UNDERGRADUATE STUDY.

18. ED 022 699
DUREN, WILLIAM L., JR.
RECOMMENDATIONS ON THE UNDERGRADUATE MATHEMATICS PROGRAM FOR WORK IN COMPUTING.
COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS, BERKELEY, CALIF.
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
PUB DATE MAY 64
EDRS PRICE MF-$0.25 HC-$1.40 33P.
DESCRIPTORS-- *COLLEGE MATHEMATICS, *COMPUTER ORIENTED PROGRAMS, *COMPUTERS, COURSE DESCRIPTIONS, *CURRICULUM, CURRICULUM DEVELOPMENT, CURRICULUM PLANNING, MATHEMATICS, OBJECTIVES, UNDERGRADUATE STUDY.

19. ED 024 577
DURST, LINCOLN K., ED.
COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS GEOMETRY CONFERENCE, PART II: GEOMETRY IN OTHER SUBJECTS.
COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS, BERKELEY, CALIF.
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
REPORT NUMBER 17
PUB DATE SEP 67
EDRS PRICE MF-$0.50 HC-$6.40 126P.
DESCRIPTORS--CALCULUS, *COLLEGE MATHEMATICS, *CONFERENCE REPORTS, CONFERENCES, COURSE CONTENT, *CURRICULUM, CURRICULUM DEVELOPMENT, *GEOMETRY, INSTRUCTION, *MATHEMATICS, UNDERGRADUATE STUDY.

20. ED 024 578
DURST, LINCOLN K., ED.
COMMITTEE OF THE UNDERGRADUATE PROGRAM IN MATHEMATICS GEOMETRY CONFERENCE, PART III: GEOMETRIC TRANSFORMATION GROUPS AND OTHER TOPICS.
COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS, BERKELEY, CALIF.
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
REPORT NUMBER 18
PUB DATE OCT 67
EDRS PRICE MF-$0.75 HC-$8.80 174P.
DESCRIPTORS-- *COLLEGE MATHEMATICS, *CONFERENCE REPORTS, CONFERENCES, *CURRICULUM, CURRICULUM DEVELOPMENT, *GEOMETRY, INSTRUCTION, *MATHEMATICS, UNDERGRADUATE STUDY.

21. ED 022 692
FEHR, HOWARD F.
SECONDARY SCHOOL MATHEMATICS CURRICULUM IMPROVEMENT STUDY--SUMMARY OF OBJECTIVES AND ACTIVITY, SEPTEMBER, 1965 TO JANUARY, 1968.
COLUMBIA UNIV., NEW YORK, N.Y. TEACHERS COLLEGE
PUB DATE 68
EDRS PRICE MF-$0.25 HC-$0.64 14P.
DESCRIPTORS--COURSE CONTENT, *CURRICULUM, *CURRICULUM DEVELOPMENT, *EDUCATIONAL OBJECTIVES, *MATHEMATICS, OBJECTIVES, *SECONDARY SCHOOL MATHEMATICS.

22. ED 022 677
FENG, CHUAN C.
COMPUTER RELATED MATHEMATICS AND SCIENCE CURRICULUM MATERIALS - A NATIONAL SCIENCE FOUNDATION COOPERATIVE COLLEGE-SCHOOL SCIENCE PROGRAM IN COMPUTING SCIENCE EDUCATION.
BOULDER VALLEY SCHOOL DISTRICT, COLO.; JEFFERSON COUNTY SCHOOL DISTRICT, COLO.
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
REPORT NUMBER GW-1755
PUB DATE 67
EDRS PRICE MF-$1.00 HC-$9.52 236P.
DESCRIPTORS--ALGEBRA, *COMPUTER ORIENTED PROGRAMS, COMPUTER PROGRAMS, *CURRICULUM DEVELOPMENT, INSTRUCTION, MATHEMATICS, NUMBER CONCEPTS, PHYSICS, SCIENCES, *SECONDARY SCHOOL MATHEMATICS, *SECONDARY SCHOOL SCIENCE, TEACHER EDUCATION.

23. ED 023 576
FISHER, JOHN J.; AND OTHERS
PRE-SERVICE AND IN-SERVICE EDUCATION IN MATHEMATICS OF COLORADO ELEMENTARY SCHOOL TEACHERS - A STATUS REPORT.
COLORADO STATE DEPT. OF EDUCATION, DENVER
PUB DATE 26 OCT 65
EDRS PRICE MF-$0.25 HC-$0.40 6P.

DESCRIPTORS--ELEMENTARY SCHOOL MATHEMATICS, *INSERVICE TEACHER EDUCATION, *MATHEMATICS, *PRESERVICE EDUCATION, TEACHER EDUCATION.

24. ED 024 565
FOLEY, JACK L.
ACTION WITH FRACTIONS IS CONTAINED IN DIVISION.
PUB DATE AUG 67
EDRS PRICE MF-$0.25 HC-$0.85 15P.
DESCRIPTORS--ARITHMETIC, *ELEMENTARY SCHOOL MATHEMATICS, FRACTIONS, *INSTRUCTIONAL MATERIALS, LOW ABILITY STUDENTS, *MATHEMATICS.

25. ED 021 732
FOLEY, JACK L.
EVENTS AND CHANCE.
PUB DATE AUG 67
EDRS PRICE MF-$0.25 HC-$0.68 15P.
DESCRIPTORS--ARITHMETIC, CURRICULUM, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL MATHEMATICS, *INSTRUCTIONAL MATERIALS, LOW ABILITY STUDENTS, MATHEMATICS, *PROBABILITY, *SECONDARY SCHOOL MATHEMATICS, STATISTICS.

26. ED 021 727
FOLEY, JACK L.
INTEGERS, ADDITION AND SUBTRACTION.
PUB DATE SEP 67
EDRS PRICE MF-$0.25 HC-$1.00 23P.
DESCRIPTORS--ADDITION, *ARITHMETIC, *ELEMENTARY SCHOOL MATHEMATICS, *INSTRUCTIONAL MATERIALS, LOW ABILITY STUDENTS, *MATHEMATICS, SUBTRACTION.

27. ED 021 730
FOLEY, JACK L.
MODULO SEVEN.
PUB DATE AUG 67
EDRS PRICE MF-$0.25 HC-$0.72 16P.
DESCRIPTORS--ADDITION, ARITHMETIC, CURRICULUM, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL MATHEMATICS, INSTRUCTIONAL MATERIALS, LOW ABILITY STUDENTS, MATHEMATICS, MULTIPLICATION, *SECONDARY SCHOOL MATHEMATICS, SUBTRACTION.

28. ED 021 726
FOLEY, JACK L.
NUMBER SENTENCES, EQUATIONS AND INEQUALITIES.
PUB DATE AUG 67
EDRS PRICE MF-$0.25 HC-$1.48 35P.
DESCRIPTORS-- *ALGEBRA, *ARITHMETIC, CURRICULUM, *CURRICULUM DEVELOPMENT, ELEMENTARY SCHOOL MATHEMATICS, INSTRUCTIONAL MATERIALS, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS.

29. ED 021 729
FOLEY, JACK L.
NUMERATION SYSTEMS, PAST AND PRESENT.
PUB DATE AUG 67
EDRS PRICE MF-$0.25 HC-$1.12 26P.
DESCRIPTORS--ADDITION, ARITHMETIC, CURRICULUM, *CURRICULUM DEVELOPMENT, ELEMENTARY SCHOOL MATHEMATICS, INSTRUCTIONAL MATERIALS, LOW ABILITY STUDENTS, MATHEMATICS, MULTIPLICATION, *SECONDARY SCHOOL MATHEMATICS.

30. ED 021 725
FOLEY, JACK L.
PATTERNS, PARTICULARS AND GUESSES.
PUB DATE MAY 67
EDRS PRICE MF-$0.25 HC-$1.08 25P.
DESCRIPTORS--ADDITION, ARITHMETIC, CURRICULUM, *CURRICULUM DEVELOPMENT, DIVISION, *ELEMENTARY SCHOOL MATHEMATICS, GEOMETRY, LOW ABILITY STUDENTS, MATHEMATICS, SET THEORY.

31. ED 021 731
FOLEY, JACK L.
SIMILARITY.
PUB DATE MAY 67
EDRS PRICE MF-$0.25 HC-$2.20 53P.
DESCRIPTORS--CURRICULUM, CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL MATHEMATICS, *GEOMETRY, INSTRUCTIONAL MATERIALS, LOW ABILITY STUDENTS, MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS.

32. ED 021 728
FOLEY, JACK L.
SQUARES, SQUARE ROOTS, RIGHT TRIANGLES.
PUB DATE AUG 67
EDRS PRICE MF-$0.25 HC-$1.28 30P.

DESCRIPTORS-- *ARITHMETIC, *ELEMENTARY SCHOOL MATHEMATICS, GEOMETRY, *INSTRUCTIONAL MATERIALS, LOW ABILITY STUDENTS, *MATHEMATICS.

33. ED 026 308
GAUDETTE, DEAN; AND OTHERS
APPENDIX C. CONTENT MODEL--MATHEMATICS--FOR ELEMENTARY EDUCATION.
NORTHWEST REGIONAL EDUCATIONAL LAB., PORTLAND, OREG.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C., BUREAU OF RESEARCH
BUREAU NUMBER BR-8-9022
PUB DATE OCT 68
CONTRACT OEC-0-8-089022(010)
EDRS PRICE MF-$0.25 HC-$1.70 32P.
DESCRIPTORS-- *BEHAVIORAL OBJECTIVES, CURRICULUM GUIDES, *ELEMENTARY SCHOOL MATHEMATICS, ELEMENTARY SCHOOL TEACHERS, *MODELS, *SET THEORY, TEACHER EDUCATION, *TEACHER EDUCATION CURRICULUM, TEACHING TECHNIQUES.

34. ED 026 269
GELBAUM, BERNARD B.; AND OTHERS
[ORANGE COUNTY SCIENCE EDUCATION IMPROVEMENT PROJECT SYLLABUSES, K-6]
ORANGE COUNTY PUBLIC SCHOOLS, CALIF.
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
PUB DATE 66
EDRS PRICE MF-$3.25 HC-$41.05 819P.
DESCRIPTORS-- *ARITHMETIC, *CURRICULUM, *ELEMENTARY SCHOOL MATHEMATICS, FUNDAMENTAL CONCEPTS, *INSTRUCTIONAL MATERIALS, MATHEMATICS, NUMBER CONCEPTS, *TEACHING GUIDES, TEACHING PROCEDURES.

35. ED 026 270
GELBAUM, BERNARD B.; AND OTHERS
[ORANGE COUNTY SCIENCE EDUCATION IMPROVEMENT PROJECT SYLLABUSES, 7-12]
ORANGE COUNTY PUBLIC SCHOOLS, CALIF.
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
PUB DATE 66
EDRS PRICE MF-$3.75 HC-$46.75 933P.
DESCRIPTORS--ALGEBRA, CALCULUS, *CURRICULUM, GEOMETRY, INSTRUCTIONAL MATERIALS, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS, TEACHING PROCEDURES.

36. ED 026 123
GLENNON, VINCENT J.; CALLAHAN, LEROY G.
ELEMENTARY SCHOOL MATHEMATICS: A GUIDE TO CURRENT RESEARCH. THIRD EDITION.
ASSOCIATION FOR SUPERVISION AND CURRICULUM DEVELOPMENT, WASHINGTON, D.C.
PUB DATE 68
EDRS PRICE MF-$0.75 HC NOT AVAILABLE FROM EDRS. 137P.
DESCRIPTORS-- *CHILD DEVELOPMENT, CULTURAL DISADVANTAGEMENT, *CURRICULUM RESEARCH, EDUCABLE MENTALLY HANDICAPPED, EDUCATIONAL OBJECTIVES, *ELEMENTARY SCHOOL MATHEMATICS, GROUPING (INSTRUCTIONAL PURPOSES), MATHEMATICS CURRICULUM, MATHEMATICS EDUCATION, PROGRAMED INSTRUCTION, READINESS, *RESEARCH REVIEWS (PUBLICATIONS), SEX DIFFERENCES, STUDENT ATTITUDES, TEACHER QUALIFICATIONS, *TEACHING METHODS.

37. ED 021 752
HARPER, E. HAROLD; STEFFE, LESLIE P.
THE EFFECTS OF SELECTED EXPERIENCES ON THE ABILITY OF KINDERGARTEN AND FIRST-GRADE CHILDREN TO CONSERVE NUMEROUSNESS.
WISCONSIN UNIV., MADISON. RESEARCH AND DEVELOPMENT CENTER FOR COGNITIVE LEARNING
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C., BUREAU OF RESEARCH
REPORT NUMBER TR-38
BUREAU NUMBER BR-5-0216
PUB DATE FEB 68
CONTRACT OEC-5-10-154
EDRS PRICE MF-$0.25 HC-$2.16 52P.
DESCRIPTORS-- *ARITHMETIC, *CONCEPT FORMATION, *ELEMENTARY SCHOOL MATHEMATICS, GRADE 1, KINDERGARTEN, *MATHEMATICS, *NUMBER CONCEPTS, PERCEPTION.

38. ED 021 755
HERRIOT, SARAH T.
SCHOOL MATHEMATICS STUDY GROUP REPORT NO. 5, THE SLOW LEARNER PROJECT: THE SECONDARY SCHOOL "SLOW LEARNER" IN MATHEMATICS.

STANFORD UNIV., CALIF. SCHOOL MATHEMATICS STUDY GROUP
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
PUB DATE 67
EDRS PRICE MF-$0.75 HC-$6.80 168P.
DESCRIPTORS--ALGEBRA, ARITHMETIC, COMPARATIVE ANALYSIS, *CURRICULUM, CURRICULUM DEVELOPMENT, *INSTRUCTION, LEARNING, LEARNING PROCESSES, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS, *SLOW LEARNERS.

39. ED 025 430
HIVELY, WELLS, II
PROGRAMMFD CORRESPONDENCE COURSES IN ALGEBRA AND GEOMETRY FOR INSERVICE TEACHER TRAINING: FIELD STUDIES. FINAL REPORT.
MINNESOTA STATE DEPT. OF EDUCATION, ST. PAUL, MINNESOTA NATIONAL LABORATORY
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C., BUREAU OF RESEARCH
BUREAU NUMBER BR-5-0924
PUB DATE AUG 68
CONTRACT OEC-6-10-134
EDRS PRICE MF-$0.75 HC-$7.85 155P.
DESCRIPTORS-- *ALGEBRA, CURRICULUM, EFFECTIVE TEACHING, *GEOMETRY, GRADE 9, GRADE 10, GRADE 11, *INSERVICE TEACHER EDUCATION, MATHEMATICS, MATHEMATICS TEACHERS, PROGRAMED INSTRUCTION, *SECONDARY SCHOOL MATHEMATICS, *TEACHER EDUCATION.

40. ED 024 575
HULL, T. E.
MONOGRAPH - THE NUMERICAL INTEGRATION OF ORDINARY DIFFERENTIAL EQUATIONS.
COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS, BERKELEY, CALIF.
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
PUB DATE 66
EDRS PRICE MF-$0.25 HC-$1.80 34P.
DESCRIPTORS-- *COLLEGE MATHEMATICS, COMPUTER ASSISTED INSTRUCTION, *CURRICULUM, *INSTRUCTIONAL MATERIALS, MATHEMATICAL CONCEPTS, *MATHEMATICS.

41. ED 021 761
KANE, ROBERT B.
USE OF THE SEMANTIC DIFFERENTIAL TECHNIQUE TO MEASURE PROSPECTIVE ELEMENTARY SCHOOL TEACHER ATTITUDE TOWARD MATHEMATICS AND OTHER SUBJECTS. FINAL REPORT.
PURDUE RESEARCH FOUNDATION, LAFAYETTE, IND.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C., BUREAU OF RESEARCH
BUREAU NUMBER BR-7-E-053
PUB DATE FEB 68
GRANT EG-1-7-070053-1908
EDRS PRICE MF-$0.50 HC-$2.72 66P.
DESCRIPTORS-- *ATTITUDES, *ELEMENTARY SCHOOL TEACHERS, EVALUATION TECHNIQUES, LANGUAGE ARTS, *MATHEMATICS, SCIENCES, SOCIAL STUDIES, *TEACHER ATTITUDES, *TEACHER EDUCATION.

42. ED 022 676
KELLEY, JOHN L.; AND OTHERS
MATHEMATICS PROGRAM, K-8, 1967-1968 STRANDS REPORT, PART 2.
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO
PUB DATE 68
EDRS PRICE MF-$0.50 HC-$3.36 82P.
DESCRIPTORS-- ALGEBRA, CURRICULUM, *CURRICULUM DEVELOPMENT, CURRICULUM PLANNING, *ELEMENTARY SCHOOL MATHEMATICS, FUNDAMENTAL CONCEPTS, GEOMETRY, *MATHEMATICS, NUMBER CONCEPTS, PROBLEM SOLVING, SECONDARY SCHOOL MATHEMATICS.

43. ED 024 602
KEMENY, JOHN G.; KURTZ, THOMAS E.
THE DARTMOUTH TIME-SHARING COMPUTING SYSTEM. FINAL REPORT.
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
PUB DATE JUN 67
GRANT NSF-GE-3864
EDRS PRICE MF-$0.50 HC-$3.90 76P.
DESCRIPTORS-- *COMPUTER ASSISTED INSTRUCTION, *COMPUTERS, CURRICULUM, ENGINEERING, *HIGHER EDUCATION, *INSTRUCTION, MATHEMATICS, PHYSICS, PROGRAM DESCRIPTIONS, PSYCHOLOGY.

44. ED 023 176
KLAUSMEIER, HERBERT J., ED.; AND OTHERS
RESEARCH AND DEVELOPMENT ACTIVITIES IN R & I UNITS OF FIVE ELEMENTARY SCHOOLS OF RACINE, WISCONSIN, 1966-67. REPORT FROM PROJECT MODELS.
WISCONSIN UNIV., MADISON. RESEARCH AND DEVELOPMENT CENTER FOR COGNITIVE LEARNING
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF RESEARCH
REPORT NUMBER TR-52
BUREAU NUMBER BR-5-0216
PUB DATE APR 68
CONTRACT OEC-5-10-154
EDRS PRICE MF-$0.25 HC-$2.75 53P.
DESCRIPTORS--ACADEMIC ACHIEVEMENT, *CULTURALLY DISADVANTAGED, *ELEMENTARY SCHOOLS, FIELD STUDIES, HANDWRITING INSTRUCTION, *INDIVIDUALIZED PROGRAMS, INSTRUCTIONAL IMPROVEMENT, LANGUAGE ARTS, *LEARNING MOTIVATION, MATHEMATICS INSTRUCTION, PARENT ATTITUDES, PARENT SCHOOL RELATIONSHIP, *RESEARCH AND INSTRUCTION UNITS, SPELLING INSTRUCTION, STATISTICAL ANALYSIS, TEACHER ATTITUDES.

45. ED 021 753
KLEIN, GEORGE
FEASIBILITY OF A NEW BASIS FOR SCHOOL ARITHMETIC. FINAL REPORT.
CHICAGO UNIV., ILL.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C., BUREAU OF RESEARCH
BUREAU NUMBER BR-6-8163
PUB DATE JUN 68
CONTRACT OEC-6-10-356
EDRS PRICE MF-$0.25 HC-$0.76 17P.
DESCRIPTORS--ACHIEVEMENT, ARITHMETIC, *CURRICULUM, *ELEMENTARY SCHOOL MATHEMATICS, GRADE 4, INSTRUCTIONAL MATERIALS, *MATHEMATICS, *MECHANICAL TEACHING AIDS.

46. ED 024 572
KLEIN, GEORGE
INVESTIGATIONS ON THE FEASIBILITY OF SOME EXTENSIONS OF SCHOOL ARITHMETIC. FINAL REPORT.
CHICAGO UNIV., ILL.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C., BUREAU OF RESEARCH
REPORT NUMBER CRP-S-399
BUREAU NUMBER BR-5-8017
PUB DATE MAY 68
CONTRACT OEC-5-10-367
EDRS PRICE MF-$0.25 HC-$1.00 18P.
DESCRIPTORS-- *ARITHMETIC, *CURRICULUM, *ELEMENTARY SCHOOL MATHEMATICS, FRACTIONS, *INSTRUCTION, MATHEMATICS.

47. ED 025 446
LACKNER, LOIS M.
THE TEACHING OF TWO CONCEPTS IN BEGINNING CALCULUS BY COMBINATIONS OF INDUCTIVE AND DEDUCTIVE APPROACHES. FINAL REPORT.
ILLINOIS UNIV., URBANA
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C., BUREAU OF RESEARCH
BUREAU NUMBER BR-6-8651
PUB DATE JUN 68
GRANT OEG-2048-99-7
EDRS PRICE MF-$1.50 HC-$18.25 363P.
DESCRIPTORS-- *CALCULUS, COMPARATIVE ANALYSIS, GRADE 11, GRADE 12, *INSTRUCTION, *MATHEMATICS, *PROGRAMED INSTRUCTION, *SECONDARY SCHOOL MATHEMATICS, TEACHING PROCEDURES.

48. ED 021 758
LEIDERMAN, GLORIA F.; AND OTHERS
SCHOOL MATHEMATICS STUDY GROUP REPORT NO. 2, THE SPECIAL CURRICULUM PROJECT: PILOT PROGRAM ON MATHEMATICS LEARNING OF CULTURALLY DISADVANTAGED PRIMARY SCHOOL CHILDREN.
STANFORD UNIV., CALIF. SCHOOL MATHEMATICS STUDY GROUP
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
PUB DATE 66
EDRS PRICE MF-$0.75 HC-$5.60 138P.
DESCRIPTORS--COMPARATIVE ANALYSIS, *CULTURALLY DISADVANTAGED, CURRICULUM, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL MATHEMATICS, GRADE 1, INSTRUCTION, *MATHEMATICS.

49. ED 022 675
LEPAGE, WILBUR R.
THE ALGEBRA OF COMPLEX NUMBERS.
SYRACUSE UNIV., N.Y. DEPT. OF ELECTRICAL ENGINEERING
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C., BUREAU OF RESEARCH
BUREAU NUMBER BR-5-0796
PUB DATE 64
CONTRACT OEC-4-10-102
EDRS PRICE MF-$0.75 HC-$5.36 132P.
DESCRIPTORS-- *ALGEBRA, *COLLEGE MATHEMATICS, CURRICULUM, *ENGINEERING, *INSTRUCTIONAL MATERIALS, NUMBER CONCEPTS.

50. ED 021 733
MCCOMB, PATRICIA
APPLIED MATHEMATICS, SECONDARY SCHOOLS GRADES 10-12.
MINNESOTA STATE DEPT. OF EDUCATION, ST. PAUL
REPORT NUMBER CURR-BULL-20A
PUB DATE 64
EDRS PRICE MF-$0.50 HC-$4.68 115P.
DESCRIPTORS--COMPUTERS, CURRICULUM, *CURRICULUM GUIDES, INSTRUCTION, *MATHEMATICAL APPLICATIONS, *MATHEMATICS, SECONDARY SCHOOL MATHEMATICS.

51. ED 022 679
MILLER, G. H.
A NATIONAL STUDY OF MATHEMATICS REQUIREMENTS FOR SCIENTISTS AND ENGINEERS. FINAL REPORT.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C., BUREAU OF RESEARCH
BUREAU NUMBER BR-7-D-019
PUB DATE MAR 68
GRANT OEG-1-7-070019-3537
EDRS PRICE MF-$0.25 HC-$1.56 37P.
DESCRIPTORS--BIOLOGY, CHEMISTRY, *COLLEGE MATHEMATICS, *COLLEGE SCIENCE, *CURRICULUM, DEGREE REQUIREMENTS, ENGINEERS, *MATHEMATICS, PHYSICS, *SCIENTISTS.

52. ED 025 431
NIBBELINK, WILLIAM H.
CENTRAL IOWA LOW ACHIEVER MATHEMATICS PROJECT - MEASUREMENT.
CENTRAL IOWA LOW-ACHIEVER MATHEMATICS PROJECT, DES MOINES
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C., BUREAU OF ELEMENTARY AND SECONDARY EDUCATION
GRANT OEG-3965
EDRS PRICE MF-$0.50 HC-$4.50 88P.
DESCRIPTORS--ARITHMETIC, CURRICULUM, GRADE 7, GRADE 8, GRADE 9, INSTRUCTION, *INSTRUCTIONAL MATERIALS, *LOW ACHIEVERS, *MEASUREMENT, *SECONDARY SCHOOL MATHEMATICS.

53. ED 023 464
PIKAART, LEN; AND OTHERS
BIBLIOGRAPHY OF RESEARCH STUDIES IN ELEMENTARY SCHOOL AND PRE-SCHOOL MATHEMATICS.
GEORGIA UNIV., ATHENS
PUB DATE JAN 66
EDRS PRICE MF-$0.25 HC-$2.85 55P.
DESCRIPTORS-- *BIBLIOGRAPHIES, CURRICULUM EVALUATION, EDUCATIONAL PHILOSOPHY, ELEMENTARY GRADES, *ELEMENTARY SCHOOL MATHEMATICS, KINDERGARTEN, *MATHEMATICS, MATHEMATICS MATERIALS, MATHEMATICS TEACHERS, *PRESCHOOL EDUCATION, *RESEARCH, STUDENT ATTITUDES, TEACHING METHODS, TEXTBOOKS.

54. ED 021 757
POLLACK, HELEN
SCHOOL MATHEMATICS STUDY GROUP REPORT NO. 3, A FILM-FILM TEXT STUDY.
STANFORD UNIV., CALIF. SCHOOL MATHEMATICS STUDY GROUP
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
PUB DATE 67
EDRS PRICE MF-$0.50 HC-$2.40 58P.
DESCRIPTORS--ACADEMIC ACHIEVEMENT, ACHIEVEMENT, *COMPARATIVE ANALYSIS, CURRICULUM, CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL TEACHERS, FILMS, *INSERVICE TEACHER EDUCATION, INSTRUCTION, *MATHEMATICS, *TEACHER EDUCATION.

55. ED 023 579
POWNALL, MALCOLM W., ED.; AND OTHERS
COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS NEWSLETTER.
COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS, BERKELEY, CALIF.
PUB DATE MAY 68
EDRS PRICE MF-$0.25 HC-$0.70 12P.
DESCRIPTORS-- *COLLEGE MATHEMATICS, *CURRICULUM DEVELOPMENT, EDUCATIONAL PLANNING, *MATHEMATICS EDUCATION, PROFESSIONAL ASSOCIATIONS, *TEACHER EDUCATION, *UNDERGRADUATE STUDY.

56. ED 023 606
RICHARDSON, JESSE O.
TEACHING MATHEMATICS THROUGH THE USE OF A TIME-SHARED COMPUTER. FINAL REPORT.
MASSACHUSETTS STATE DEPT. OF EDUCATION, BOSTON
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C., BUREAU OF RESEARCH
REPORT NUMBER CRP-H-212
BUREAU NUMBER BR-5-0311
PUB DATE MAR 68
CONTRACT OEC-5-10-320
EDRS PRICE MF-$1.00 HC-$11.30 224P.
DESCRIPTORS-- *COMPUTER ORIENTED PROGRAMS, COMPUTERS, CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL MATHEMATICS, *INSTRUCTION, *MATHEMATICS, PROGRAM DEVELOPMENT, *SECONDARY SCHOOL MATHEMATICS.

57. ED 021 478
ROSEN, ELLEN F.; STOLUROW, LAWRENCE M.
IN PURSUIT OF A SIMPLEX IN UICSM HIGH SCHOOL ALGEBRA. COMPARATIVE STUDIES OF PRINCIPLES FOR PROGRAMMING MATHEMATICS IN AUTOMATED INSTRUCTION, TECHNICAL REPORT NUMBER 5.
ILLINOIS UNIV., URBANA
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
REPORT NUMBER NDEA-7A-806
PUB DATE JUL 64
CONTRACT OEC-711151-01
EDRS PRICE MF-$0.25 HC-$0.44 9P.
DESCRIPTORS--ALGEBRA, AUTOINSTRUCTIONAL PROGRAMS, *CONCEPT FORMATION, *LEARNING PROCESSES, *MATHEMATICAL CONCEPTS, SECONDARY SCHOOL MATHEMATICS, STATISTICAL ANALYSIS.

58. ED 021 707
ROSENBLOOM, PAUL C.; AND OTHERS
CHARACTERISTICS OF MATHEMATICS TEACHERS THAT AFFECT STUDENTS' LEARNING. FINAL REPORT.
MINNESOTA SCHOOL MATHEMATICS AND SCIENCE CENTER, UNIV. OF MINNESOTA, MINNEAPOLIS
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C., BUREAU OF RESEARCH
REPORT NUMBER CRP-1020
BUREAU NUMBER BR-5-0450
PUB DATE SEP 66
CONTRACT OEC-SAE-8993
EDRS PRICE MF-$0.75 HC-$6.76 167P.
DESCRIPTORS--ACHIEVEMENT, CURRICULUM, *INSTRUCTION, *LEARNING, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS, *TEACHER CHARACTERISTICS, TEACHER EDUCATION.

59. ED 023 243
ROSS, DOROTHEA
THE USE OF GAMES TO FACILITATE THE LEARNING OF BASIC NUMBER CONCEPTS IN PRESCHOOL EDUCABLE MENTALLY RETARDED CHILDREN. FINAL REPORT.
STANFORD UNIV., CALIF.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C., BUREAU OF RESEARCH
BUREAU NUMBER BR-6-2263
PUB DATE DEC 67
GRANT OEG-4-6-062263-1585
EDRS PRICE MF-$0.50 HC-$4.65 91P.
DESCRIPTORS--ATTENTION CONTROL, BEHAVIOR CHANGE, CHILDREN, EDUCABLE MENTALLY HANDICAPPED, EDUCATIONAL GAMES, *EXCEPTIONAL CHILD RESEARCH, GROUP BEHAVIOR, GROUP TESTS, INSTRUCTIONAL MATERIALS, *MATHEMATICS, *MENTALLY HANDICAPPED, MOTIVATION, *RECREATION, *TEACHING METHODS, TEST RELIABILITY, TEST RESULTS.

60. ED 026 307
ROUSSEAU, LEON
APPENDIX B. A CONCEPTUAL MODEL FOR THE TEACHING OF ELEMENTARY MATHEMATICS.
NORTHWEST REGIONAL EDUCATIONAL LAB., PORTLAND, OREG.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C., BUREAU OF RESEARCH
BUREAU NUMBER BR-8-9022
PUB DATE OCT 68
CONTRACT OEC-0-8-089022(010)
EDRS PRICE MF-$0.25 HC-$1.70 32P.
DESCRIPTORS--ALGEBRA, ARITHMETIC, CLASSROOM COMMUNICATION, *COMMUNICATION (THOUGHT TRANSFER), *ELEMENTARY SCHOOL MATHEMATICS, GEOMETRY, INDIVIDUALIZED INSTRUCTION, INSTRUCTIONAL MEDIA, LANGUAGE CLASSIFICATION, *MODELS, *PROBLEM SOLVING, QUESTIONING TECHNIQUES, REMEDIAL INSTRUCTION, SYMBOLS (MATHEMATICS), *TEACHING TECHNIQUES.

61. ED 022 710
RUBINSTEIN, MAX; AND OTHERS
MATHEMATICS - RESOURCE MATERIAL FOR TEACHERS. CAREER GUIDANCE SERIES 1966-67.
NEW YORK CITY BOARD OF EDUCATION, BROOKLYN, N.Y.
PUB DATE 68
EDRS PRICE MF-$0.75 HC NOT AVAILABLE FROM EDRS. 90P.
DESCRIPTORS--ALGEBRA, *ARITHMETIC, CURRICULUM, INSTRUCTION, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS, *TEACHING GUIDES.

62. ED 022 673
RYAN, JAMES J.
EFFECTS OF MODERN AND CONVENTIONAL MATHEMATICS CURRICULA ON PUPIL ATTITUDES, INTERESTS, AND PERCEPTION OF PROFICIENCY.
MINNESOTA STATE DEPT. OF EDUCATION, ST. PAUL, MINNESOTA NATIONAL LABORATORY
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C., BUREAU OF RESEARCH
BUREAU NUMBER BR-5-1028
PUB DATE JAN 68
CONTRACT OEC-5-10-051
EDRS PRICE MF-$0.75 HC-$6.84 169P.
DESCRIPTORS-- *ACHIEVEMENT, COMPARATIVE ANALYSIS, *CURRICULUM, *CURRICULUM DEVELOPMENT, GRADE 9, MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS, STUDENT ATTITUDES, STUDENT INTERESTS.

63. ED 021 760
SCOTT, DANA S.
DEVELOPING NEW MATERIALS FOR HIGH SCHOOL GEOMETRY. FINAL REPORT.
STANFORD UNIV., CALIF.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C., BUREAU OF RESEARCH
BUREAU NUMBER BR-5-0544
PUB DATE JUN 68
CONTRACT OEC-6-10-021
EDRS PRICE MF-$0.75 HC-$6.40 158P.
DESCRIPTORS-- *COMPUTER ASSISTED INSTRUCTION, COURSE CONTENT, *CURRICULUM, GEOMETRY, INSTRUCTION, *MATHEMATICS, PROBLEM SOLVING.

64. ED 023 612
STEFFE, LESLIE P.; PARR, ROBERT B.
THE DEVELOPMENT OF THE CONCEPTS OF RATIO AND FRACTION IN THE FOURTH, FIFTH, AND SIXTH YEARS OF THE ELEMENTARY SCHOOL.
WISCONSIN UNIV., MADISON. RESEARCH AND DEVELOPMENT CENTER FOR COGNITIVE LEARNING
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C., BUREAU OF RESEARCH
REPORT NUMBER TR-49
BUREAU NUMBER BR-5-0216
PUB DATE MAR 68
CONTRACT OEC-5-10-154
EDRS PRICE MF-$0.25 HC-$2.70 52P.
DESCRIPTORS-- *ARITHMETIC, *COGNITIVE DEVELOPMENT, *CONCEPT FORMATION, *ELEMENTARY SCHOOL MATHEMATICS, GRADE 4, GRADE 5, GRADE 6, MATHEMATICAL CONCEPTS, *NUMBER CONCEPTS.

65. ED 023 301
STOLUROW, LAWRENCE M.; AND OTHERS
PILOT STUDIES OF PRINCIPLES OF PROGRAMING. COMPARATIVE STUDIES OF PRINCIPLES FOR PROGRAMING MATHEMATICS IN AUTOMATED INSTRUCTION.

ILLINOIS UNIV., URBANA
OFFICE OF EDUCATION (DHEW),
WASHINGTON, D.C., EDUCATIONAL
MEDIA BRANCH
REPORT NUMBER NDEA-7A-806; TR-9
PUB DATE JUL 64
EDRS PRICE MF-$0.50 HC-$3.30 64P.
DESCRIPTORS--CONSTRUCTED RESPONSE, EDUCATIONAL PRINCIPLES, EDUCATIONAL RESEARCH, FIXED SEQUENCE, *INTERMODE DIFFERENCES, *MATHEMATICS INSTRUCTION, MATHEMATICS MATERIALS, *PROGRAMED INSTRUCTION, PROGRAM EVALUATION, PROGRAM LENGTH, RESPONSE MODE, *TIME FACTORS (LEARNING).

66. ED 022 706
SUPPES, PATRICK
ACCELERATED PROGRAM IN ELEMENTARY-SCHOOL MATHEMATICS--THE SECOND YEAR, SEPTEMBER 1, 1964 TO AUGUST 31, 1965.
STANFORD UNIV., CALIF. INST. FOR MATHEMATICAL STUDIES IN SOCIAL SCIENCE
PUB DATE 22 NOV 65
EDRS PRICE MF-$0.25 HC-$1.12 26P.
DESCRIPTORS-- *ACCELERATED PROGRAMS, COMPUTER ORIENTED PROGRAMS, COURSE DESCRIPTIONS, CURRICULUM, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL MATHEMATICS, MATHEMATICS, PROGRAM DESCRIPTIONS.

67. ED 021 482
SUPPES, PATRICK
COMPUTER-ASSISTED INSTRUCTION IN THE SCHOOLS: POTENTIALITIES, PROBLEMS, PROSPECTS, PSYCHOLOGY SERIES. TECHNICAL REPORT.
STANFORD UNIV., CALIF. INST. FOR MATHEMATICAL STUDIES IN SOCIAL SCIENCE
CARNEGIE CORP. OF NEW YORK, N.Y.; NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
REPORT NUMBER SU-IMSSS-TR-81
PUB DATE 29 OCT 65
EDRS PRICE MF-$0.25 HC-$0.80 18P.
DESCRIPTORS-- *COMPUTER ASSISTED INSTRUCTION, CURRICULUM PLANNING, CURRICULUM RESEARCH, *ELEMENTARY SCHOOL MATHEMATICS, ELEMENTARY SCHOOL STUDENTS, *EXPERIMENTAL CURRICULUM, INDIVIDUAL DIFFERENCES, *INDIVIDUAL INSTRUCTION, LANGUAGE SKILLS, MATHEMATICAL LOGIC, MATHEMATICS CURRICULUM, PROGRAMED INSTRUCTION, *READING INSTRUCTION, READING SKILLS, VERBAL COMMUNICATION.

68. ED 022 665
VANDERLIN, CARL J., JR.
A REVIEW OF NEW MATHEMATICS CURRICULUM MATERIALS.
WISCONSIN STATE DEPT. OF PUBLIC INSTRUCTION, MADISON
PUB DATE 66
EDRS PRICE MF-$0.25 HC-$1.20 28P.
DESCRIPTORS-- *COLLEGE MATHEMATICS, CURRICULUM, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL MATHEMATICS, MATHEMATICS, PROGRAM DESCRIPTIONS, *SECONDARY SCHOOL MATHEMATICS.

69. ED 025 433
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PUB DATE [NOV 68]
GRANT OEG-3965
EDRS PRICE MF-$0.75 HC-$7.35 145P.
DESCRIPTORS--ALGEBRA, ARITHMETIC, GEOMETRY, GRADE 7, GRADE 8, GRADE 9, INSTRUCTION, *INSTRUCTIONAL MATERIALS, *LOW ACHIEVERS, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS.

70. ED 025 437
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CENTRAL IOWA LOW-ACHIEVER MATHEMATICS PROJECT, DES MOINES
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EDRS PRICE MF-$0.50 HC-$3.30 64P.
DESCRIPTORS--CURRICULUM, CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL MATHEMATICS, *INSTRUCTIONAL MATERIALS, *LOW ACHIEVERS, *MATHEMATICS, *PROBLEM SOLVING, SECONDARY SCHOOL MATHEMATICS.

71. ED 022 685
BUSINESS MATHEMATICS FOR HIGH SCHOOLS.
NEW YORK CITY BOARD OF EDUCATION, BROOKLYN, N.Y. BUREAU OF CURRICULUM DEVELOPMENT
PUB DATE FEB 67
EDRS PRICE MF-$0.50 HC-$3.28 80P.
DESCRIPTORS-- *BUSINESS EDUCATION, CURRICULUM, *CURRICULUM DEVELOPMENT, *CURRICULUM GUIDES, GRADE 10, NONCOLLEGE PREPARATORY STUDENTS, *SECONDARY SCHOOL MATHEMATICS.

72. ED 021 762
CURRICULUM AND TEACHING OF MATHEMATICS IN THE HIGHER SECONDARY SCHOOLS.
NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING, NIE CAMPUS, NEW DELHI (INDIA), DEPT. OF CURRICULUM AND EVALUATION
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C., BUREAU OF RESEARCH
REPORT NUMBER NIE-HEW-NO-009
BUREAU NUMBER BR-5-1402
EDRS PRICE MF-$1.75 HC-$17.20 426P.
DESCRIPTORS-- *COURSE CONTENT, *CURRICULUM, CURRICULUM DEVELOPMENT, *CURRICULUM GUIDES, *MATHEMATICS, OBJECTIVES, *SECONDARY SCHOOL MATHEMATICS, TEACHING TECHNIQUES.

73. ED 021 763
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NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING, NIE CAMPUS, NEW DELHI (INDIA), DEPT. OF CURRICULUM AND EVALUATION
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C., BUREAU OF RESEARCH
REPORT NUMBER NIE-HEW-NO-009
BUREAU NUMBER BR-5-1402
EDRS PRICE MF-$1.00 HC-$9.52 236P.
DESCRIPTORS--ALGEBRA, ARITHMETIC, *COURSE OBJECTIVES, *CURRICULUM, EVALUATION, GEOMETRY, INSTRUCTIONAL MATERIALS, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS, TEACHING PROCEDURES.

74. ED 023 584
CURRICULUM AND TEACHING OF MATHEMATICS IN THE HIGHER SECONDARY SCHOOLS - AN ANALYSIS OF SYLLABUSES.
NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING, NIE CAMPUS, NEW DELHI (INDIA), DEPT. OF CURRICULUM AND EVALUATION
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REPORT NUMBER NIE-HEW-PROJ-009
BUREAU NUMBER BR-5-1402
EDRS PRICE MF-$1.00 HC-$13.20 262P.
DESCRIPTORS-- *CURRICULUM, CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL MATHEMATICS, *INSTRUCTION, INSTRUCTIONAL MATERIALS, LEARNING, *MATHEMATICS, OBJECTIVES, *SECONDARY SCHOOL MATHEMATICS, SURVEYS, TEXTBOOKS.

75. ED 026 237
GUIDELINES FOR MATHEMATICS IN THE ELEMENTARY SCHOOL.
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA
PUB DATE 64
EDRS PRICE MF-$0.25 HC-$1.70 32P.
DESCRIPTORS--ARITHMETIC, *CURRICULUM, *CURRICULUM GUIDES, *ELEMENTARY SCHOOL MATHEMATICS, GEOMETRY, *MATHEMATICS, NUMBER CONCEPTS , *TEXTBOOK CONTENT, TEXTBOOK EVALUATION.

76. ED 026 236
GUIDELINES FOR MATHEMATICS IN THE SECONDARY SCHOOL.
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA
PUB DATE 65
EDRS PRICE MF-$0.75 HC-$6.90 136P.
DESCRIPTORS--ADVANCED PROGRAMS, ALGEBRA, ANALYTIC GEOMETRY, COURSE CONTENT, CURRICULUM, *CURRICULUM GUIDES, GEOMETRY, INSTRUCTION, INSTRUCTIONAL MATERIALS, *MATHEMATICS, *NUMBER CONCEPTS, NUMBER SYSTEMS, *SECONDARY SCHOOL MATHEMATICS.

77. ED 021 734
HANDBOOK FOR GENERAL MATHEMATICS.
MARYLAND STATE DEPT. OF EDUCATION, BALTIMORE
PUB DATE 66
EDRS PRICE MF-$0.75 HC-$5.96 147P.
DESCRIPTORS--ALGEBRA, ARITHMETIC, *COURSE CONTENT, *CURRICULUM, GEOMETRY, INSTRUCTIONAL MATERIALS,*MATHEMATICS, NONCOLLEGE PREPARATORY STUDENTS, *SECONDARY SCHOOL MATHEMATICS, *TEACHING GUIDES.

78. ED 024 601
MATHETICS, A SYSTEM OF PROGRAMMED INSTRUCTION.
REHABILITATION RESEARCH FOUNDATION, ELMORE, ALA. MATERIALS DEVELOPMENT UNIT
PUB DATE APR 66
EDRS PRICE MF-$0.50 HC-$3.15 61P.
DESCRIPTORS-- *CURRICULUM DEVELOPMENT, INDUSTRIAL TRAINING, INSTRUCTION, PROGRAM DESCRIPTIONS, *PROGRAMED INSTRUCTION, TRAINING.

79. ED 024 599
MATHEMATICS: PRE-KINDERGARTEN, KINDERGARTEN, AND GRADE ONE, PART ONE.
NEW YORK CITY BOARD OF EDUCATION, BROOKLYN, N.Y.
PUB DATE 66
EDRS PRICE MF-$0.50 HC NOT AVAILABLE FROM EDRS. 70P.
DESCRIPTORS-- *ARITHMETIC, COURSE ORGANIZATION, *CURRICULUM, *ELEMENTARY SCHOOL MATHEMATICS, GRADE 1, INSTRUCTION, KINDERGARTEN, LEARNING ACTIVITIES, MATHEMATICAL CONCEPTS, *MATHEMATICS, NUMBER CONCEPTS, *TEACHING GUIDES.

80. ED 025 421
MATHEMATICS, GRADE 2, GRADE 3, SCOPE AND SEQUENCE.
NEW YORK CITY BOARD OF EDUCATION, BROOKLYN, N.Y. BUREAU OF CURRICULUM DEVELOPMENT
REPORT NUMBER 00-6002-21
PUB DATE 68
EDRS PRICE MF-$0.25 HC NOT AVAILABLE FROM EDRS. 29P.
DESCRIPTORS-- *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL MATHEMATICS, GEOMETRY, GRADE 2, GRADE 3, *MATHEMATICS, NUMBER CONCEPTS, SEQUENTIAL LEARNING, *TEACHING GUIDES.

81. ED 025 423
MATHEMATICS, GRADE 5, PART 1.
NEW YORK CITY BOARD OF EDUCATION, BROOKLYN, N.Y. BUREAU OF CURRICULUM DEVELOPMENT
PUB DATE 66
EDRS PRICE MF-$1.25 HC NOT AVAILABLE FROM EDRS. 320P.
DESCRIPTORS--ALGEBRA, COURSE CONTENT, *CURRICULUM, CURRICULUM DEVELOPMENT, CURRICULUM GUIDES, *ELEMENTARY SCHOOL MATHEMATICS, GEOMETRY, GRADE 5, *MATHEMATICAL CONCEPTS, *MATHEMATICS, NUMBER CONCEPTS, *TEACHING GUIDES.

82. ED 023 600
MATHEMATICS, GRADE 5, PART 2.
NEW YORK CITY BOARD OF EDUCATION, BROOKLYN, N.Y.
PUB DATE 66
EDRS PRICE MF-$1.25 HC NOT AVAILABLE FROM EDRS. 270P.
DESCRIPTORS--ALGEBRA, *ARITHMETIC, COURSE CONTENT, *CURRICULUM, *ELEMENTARY SCHOOL MATHEMATICS, FRACTIONS, GEOMETRY, GRADE 5, INSTRUCTION, LEARNING ACTIVITIES, MATHEMATICAL CONCEPTS, *MATHEMATICS, NUMBER CONCEPTS, *TEACHING GUIDES.

83. ED 025 422
MATHEMATICS 7TH YEAR, PART 1.
NEW YORK CITY BOARD OF EDUCATION, BROOKLYN, N.Y. BUREAU OF CURRICULUM DEVELOPMENT
PUB DATE 66
EDRS PRICE MF-$1.00 HC NOT AVAILABLE FROM EDRS. 223P.
DESCRIPTORS-- *ARITHMETIC, COURSE CONTENT, *CURRICULUM, CURRICULUM DEVELOPMENT, GEOMETRY, GRADE 7, *MATHEMATICS, NUMBER CONCEPTS, *SECONDARY SCHOOL MATHEMATICS, *TEACHING GUIDES.

84. ED 023 601
MATHEMATICS, 7TH YEAR, PART 2.
NEW YORK CITY BOARD OF EDUCATION, BROOKLYN, N.Y.
PUB DATE 67
EDRS PRICE MF-$1.00 HC NOT AVAILABLE FROM EDRS. 261P.
DESCRIPTORS--ALGEBRA, *ARITHMETIC, COURSE CONTENT, *CURRICULUM, GEOMETRY, GRADE 7, INSTRUCTION, LEARNING ACTIVITIES, MATHEMATICAL CONCEPTS, *MATHEMATICS, NUMBER CONCEPTS, *SECONDARY SCHOOL MATHEMATICS, *TEACHING GUIDES.

85. ED 023 599
MATHEMATICS, 8TH YEAR, PART I.
NEW YORK CITY BOARD OF EDUCATION, BROOKLYN, N.Y. BUREAU OF CURRICULUM DEVELOPMENT
PUB DATE JAN 68
EDRS PRICE MF-$0.75 HC NOT AVAILABLE FROM EDRS. 159P.
DESCRIPTORS--ALGEBRA, *ARITHMETIC, COURSE CONTENT, CURRICULUM, GEOMETRY, GRADE 8, *INSTRUCTION, MATHEMATICAL CONCEPTS, *MATHEMATICS, NUMBER CONCEPTS, *SECONDARY SCHOOL MATHEMATICS, *TEACHING GUIDES.

86. ED 024 600
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NEW YORK CITY BOARD OF EDUCATION, BROOKLYN, N.Y. BUREAU OF CURRICULUM DEVELOPMENT
PUB DATE 66
EDRS PRICE MF-$1.25 HC NOT AVAILABLE FROM EDRS. 318P.
DESCRIPTORS-- *ALGEBRA, CURRICULUM, GEOMETRY, GRADE 9, *INSTRUCTION, MATHEMATICAL CONCEPTS, *MATHEMATICS, NUMBER CONCEPTS, *SECONDARY SCHOOL MATHEMATICS, *TEACHING GUIDES.

87. ED 022 696
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COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS, BERKELEY, CALIF.
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
PUB DATE MAY 63
EDRS PRICE MF-$0.50 HC-$4.00 98P.
DESCRIPTORS--ALGEBRA, *COLLEGE MATHEMATICS, COURSE DESCRIPTIONS, CURRICULUM DEVELOPMENT, *CURRICULUM PLANNING, GEOMETRY, GRADUATE STUDY, HIGHER EDUCATION, MATHEMATICS, PHYSICS, RESEARCH, UNDERGRADUATE STUDY.

88. ED 022 695
PREPARATION FOR GRADUATE STUDY IN MATHEMATICS.
COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS, BERKELEY, CALIF.
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
PUB DATE NOV 65
EDRS PRICE MF-$0.25 HC-$1.04 24P.
DESCRIPTORS-- *ALGEBRA, *COLLEGE MATHEMATICS, COURSE DESCRIPTIONS, CURRICULUM DEVELOPMENT, *CURRICULUM PLANNING, GRADUATE STUDY, MATHEMATICS, RESEARCH.

89. ED 021 444
PROGRESS REPORT: STANFORD PROGRAM IN COMPUTER-ASSISTED INSTRUCTION FOR THE PERIOD JANUARY 1, 1968 TO MARCH 31, 1968.
STANFORD UNIV., CALIF. INST. FOR MATHEMATICAL STUDIES IN SOCIAL SCIENCE
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.; OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
REPORT NUMBER NSFG-18709
PUB DATE 68
CONTRACT OEC-0-8-001209-1806; OEC-4-6-061493-2089
GRANT OEG-3-7-704721-5096; OEG-9-8-685083-0041
EDRS PRICE MF-$0.50 HC-$3.44 84P.

DESCRIPTORS--ALGEBRA, *COMPUTER ASSISTED INSTRUCTION, COMPUTER BASED LABORATORIES, *COMPUTER ORIENTED PROGRAMS, CURRICULUM DEVELOPMENT, DATA ANALYSIS, EDUCATIONAL RESEARCH, *ELEMENTARY EDUCATION, ELEMENTARY SCHOOLS, LOGIC, *MATHEMATICS INSTRUCTION, OBSERVATION, PROGRAMED INSTRUCTION, READING INSTRUCTION, RESEARCH PROJECTS, RUSSIAN, SPELLING INSTRUCTION, STUDENT BEHAVIOR, *TIME SHARING, VIDEO TAPE RECORDINGS.

90. ED 021 735
TEACHERS EVALUATE PROGRAMMED INSTRUCTION, A SURVEY OF ATTITUDES AND PROBLEMS.
CANADIAN TEACHERS' FEDERATION, OTTAWA (ONTARIO), RESEARCH DIV.
PUB DATE MAR 66
EDRS PRICE MF-$0.50 HC-$2.64 64P.
DESCRIPTORS-- *INSTRUCTION, LEARNING, MATHEMATICS, *PROGRAMED INSTRUCTION, PROGRAM EFFECTIVENESS, RESEARCH, TEACHER EVALUATION.

III. AUTHOR INDEX

Authors or organizations responsible for documents are listed alphabetically. The document number of each publication listed is entered after the name of the author or organization. The Roman numerial indicates the section of the bibliography and the numeral represents the document number in that section.

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